

**BEST BUY**



## Aircraft Band / AM Solid State Portable Radio

- \* Monitor Private and Commercial Aircraft, Control Tower Calls, Omni Stations, etc.
- \* 108-137 MHz
- \* Standard Broadcast Band 540-1600KHz.
- \* With 4 Penlite Cells
- \* Complete with Earphone
- \* Rotating Telescoping Antenna
- \* Complies with FCC Part 15
- \* Handy Size: 1-1/2" x 4" x 6-1/4"
- \* Weight: 1-1/4 lbs.
- \* 10 Transistors

Item No. 13-063-3

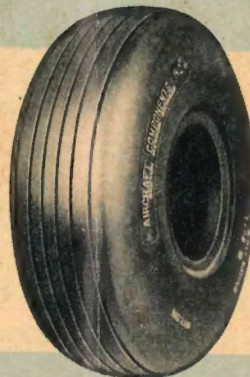
regularly \$29.95

**Sale Price \$16.88**

3 or more... \$13.80 each.



**Batteries, Save up to Half or More**  
 ...page 35



**6.00 x 6 Tires**  
 as low as \$9.94  
 ...page 21



**Pilot Earphones**  
 as low as \$6.95  
 ...page 10

PHONE 616,  
 925-8863



More people buy aviation supplies from  
**A-C-I** than from any other source!



# High Precision Aviation Chronographs



## GLYCINE AIRMAN SPECIAL

Used By Air Force Personnel

The Glycine AIRMAN - SPECIAL Pilot Watch was specially developed exclusively for sales to United States Air Force Personnel.

High Precision, seventeen jewel lever movement. Automatic, selfwinding 360° Rotor Anti-magnetic. Unbreakable mainspring, INCA BLOC Shockproof Heavy stainless steel, and RUSTPROOF WATERPROTECTED watchcase.

Automatic calendar with magnifier over date aperture. Date works on inner dial hours and is, therefore, always perfectly co-ordinated for pilot's use. Special 24 hour dial with luminous dots and hands. Sweep second hand with luminous tip. Shipping Wt. 1 lb. Item No. 11-018-9

**\$84.00**

## DUAL TIME CHRONOGRAPH

Shows elapsed time, ETA, or zone times.

Fully waterproof with multi-dial recorder.

New Heuer Autavia Chronograph for pilots, divers, sportsmen, and scientists. Outstanding features of the Autavia Chronograph are: The guarantee to function perfectly at altitudes up to 35,000 ft. or at depths of 300 ft. under water as a result of our new pressurized stainless steel case; the bright luminous hands with white recording dials that provide utmost visibility under all conditions; the incabloc shock protection; and the unbreakable mainspring and 17 jewel anti-magnetic movement which insure years of dependable service. A most useful feature of the Autavia is the outside turning bezel complete with 30 minute and 12 hour registers. Shipping Weight 1 lb. Reference No. 2664 M. Item No. 71-569-8

**\$119.50**

## LONGINES-WITRNAUER CHRONOGRAPH

Combines 12 hour recorder and speed tachometer

The WITRNAUER Model 235-T Pilot Chronograph is the only complete flight calculating watch that is completely waterproof, shock resistant and with stainless steel case, unbreakable mainspring, luminous dial, 17 jewel antimagnetic mainspring & grey calf leather band.

One operating button starts and stops the large sweep second hand. The other button returns the hands to 0. Every turn of the large sweep second hand is recorded on two small dials that total up to 12 hours of time with accuracy. In addition, there is a small second hand which operates continuously. Around the outer dial is a graduated Tachometer scale showing the speed over a measured mile. Shipping wt. 1 lb. Item No. 21-117-7

**\$100.00**

## SEVEN WATCHES IN ONE

Genuine Swiss Watch with Stop-Start Sweep Second Hand Timer.

This combination watch and timer is really seven watches in one!

It features a stop-start sweep second hand, 6 dials, 5 hands, 2 push-button controls. Genuine Swiss made precision stop watch.

Measures distance, speed, used for time and motion studies, etc. Features unbreakable main spring, shock protected movement, luminous dial. Anti-magnetic hair spring, stainless steel back, golden case, leather strap.

This is really an amazing value at such a low price. Marcel Model 520 Item No. 12-820-7 In gift box.....

**\$14.90**



## PROPELLER CLOCK

Timely and strikingly beautiful! A gleaming, highly polished, solid aluminum propeller, has a fine Sessions silent electric clock mounted in the hub. Clock is U/L approved and guaranteed for one full year. Propeller is

26" long and is a faithful reproduction of the real thing. Makes a stunning, practical wall decoration that goes beautifully almost anywhere. Ideal for any office or den. Bought eagerly by persons interested in or connected with flying. Shpg. wt. 5 lbs. Item No. 21-420-5

**\$24.95**



Beautiful wood propeller, 32", laminated wood with high gloss finish, electric

clock mounted in hub. Makes attractive wall decoration for office or den. Shipping wt. 4-1/2 lbs. Item No. 21-453-6

**\$18.95**



TRANSISTORIZED PROPELLER CLOCK Beautiful wood propeller, 32" laminated wood with high-gloss finish. Transistorized

battery-operated clock in hub. Makes a very attractive wall decoration for business office or den. Shipping Wt. 3 lbs. Item No. 11-987-5

**\$29.95**



## 8 DAY CLOCK WITH 24 HOUR DIAL

The adjustment and winding knob is at the lower left-hand corner. One winding will operate the clock for a full 8 days. This high quality time piece is made in Switzerland and features a jeweled precision movement. Unit measures 2-3/8" x 2-3/8" x 1" deep.

The rate adjusting control is on the rear of case. Comes complete with mounting screws and nuts. Packed in shock resistant shipping box.

New production. Model 7511-10-24H. Shpg. wt. 1 lb. Item No. 71-324-8

**\$43.50**



## ENGINE HOUR RECORDER

Engine Hour Log automatically records total engine running time. FAA approves of the use of automatic engine hour time recording. Gauge is actually an electric clock operated by an oil pressure switch. Standard 2-1/4" hole size. Shipping Weight 1 lb.

6 or 12 volt model - Item No. 71-279-4

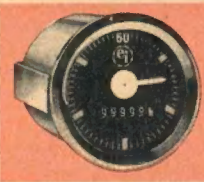
**\$26.50**

24 to 36 volt model - Item No. 71-280-2

**\$26.50**

Oil Pressure Switch for above. Shipping Weight 1 lb. Item No. 71-108-5

**\$6.00**



## HOURLY METER

This time meter registers hours and minutes only when the machine to which it is attached is subject to vibration. Requires no source of electrical current. Will work in aircraft, trucks, machinery and other equipment.

Only a very slight vibration is required to keep the instrument in operation. A self-storing energy principle keeps the meter recording accurately. Since there are no connections required, it can be transferred from equipment to equipment easily.

Fits 2-3/8" panel opening, 2-1/2" long. Model V-100H. Shipping Wt. 2 lbs. Item No. 12-216-8

**\$29.50**



## 24 HOUR DIAL CLOCK

New Master-Time 8 day clock

Precision 8 day dashboard clocks with center sweep second hand. This precision clock is designed specially for aircraft, marine and motor car use.

The clock is mounted on a chromed brass back plate measuring 2-1/4" x 2-1/4". Mounts on panel surface. Model RAD. Shipping Wt. 1 lb. Item No. 11-750-7 Special Mounting Bracket for center of Piper Control Wheel. Item No. 11-751-5

**\$63.00**

**\$7.50**

**We are the leading supplier of aviation clocks & watches.**



# Everything you need for Easier Navigation!



## STANDARD 8 DAY CLOCK Made by Longines-Wittnauer

The 2 1/4" aircraft clock is recommended for most aircraft. This Longines-Wittnauer Swiss Made 8 Day Clock features a 7 jewel movement, large sweep second hand, luminous dial markings on a black background, lightweight aluminum case with setting and winding knob at the lower left. This is the finest clock you can buy. Fully guaranteed. Shipping Wt. 1 lb. Item No. 71-320-6

**\$29.50**

## 8 DAY CLOCK WITH ELAPSED TIME BEZEL

It is convenient to know the elapsed time from your starting point. In the Elapsed Time Model of the 8 Day Clock, an extra set of red hands is provided. These are set from the front of the clock and remain fixed in position. Shipping weight 1 lb. Item No. 71-322-2

**\$31.50**



## PRECISION CHRONOMETER

The Super Autavia Dashboard Chronograph is a new precision Aircraft Chronometer designed specifically for private and commercial aircraft use. Combines all the functions of a precise aircraft clock with an independent 12 hour stop watch. Shows time-of-day, time-of-trip and calculated ETA at a glance. Color coding and luminous markings make reading easy. The separate rotating bezel permits simultaneous reading of Greenwich Mean Time and local time.

The unique hack feature permits the timer to be set at the exact time. Measures 2 1/4" x 2 1/4" and mounts on panel surface. Full 17 jewel movement, unbreakable non-glass crystal, anti-magnetic, and temperature compensated. Fully guaranteed for one year. This is a very high quality timer. Shipping Wt. 1 lb. Item No. 71-484-0

**\$92.00**

Special Mounting Bracket for center of Piper Control Wheel. Item No. 11-751-5

**\$7.50**



## DASHBOARD TIMER

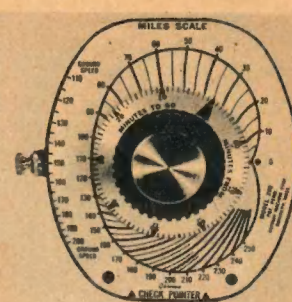
### Monte-Carlo Timer for Aircraft use and Sports Events

This Monte-Carlo Timer is specifically made for aircraft use, car racing and timing sport events. The thin second hand makes one revolution in 60 seconds, the large hand makes one revolution in 60 minutes, and the hours are read in the window at the bottom. No possibility of confusion. Reads hours, minutes, seconds and 1/5 seconds. The turning bezel can be rotated to any predetermined time to show time of arrival or time of departure. Can be started, stopped or returned to zero. The unit is surface mounting, has a chromed brass base measuring 2 1/4" x 2 1/4". Comes in a Matte White finish on a black background. This is a very high quality timepiece. Model 1003 by Heuer of Switzerland. Shipping Wt. 1 lb. Item No. 71-512-8

**\$62.50**

Special Mounting Bracket for center of Piper Control Wheel. Item No. 11-751-5

**\$7.50**



## CHECK POINTER New Easy-to-use

### Automatic Computer

The Checkpointer is a completely new instrument for all pilots. It differs from other computers in that the center dial is turned automatically by a built-in timing mechanism. It gives the pilot instant and continuous ETA'S to any known points ahead. It will also give a continuous read-out in miles and minutes from the station which you have passed as well as a continual indication of your actual ground speed.

At any correct ground speed setting of the knob at left, the center timer dial arrow will indicate exactly how many miles you have travelled over the ground. Highly recommended.

Speed Range	Model	Item No.
85 to 150	#150	21-491-6
95 to 170	#140	21-492-4
110 to 200	#200	21-493-2
135 to 240	#240	21-494-0

Any of the above..... **\$29.50**

# Computers, Timers, and Label Makers

## THE FAMOUS 'PDQ' RUNWAY FINDER COMPUTER

Land with the PDQ and every airport is as familiar as home. This hand held plotter shows the approach direction, downwind leg, base leg, etc. One side for right hand pattern, the other side for left hand pattern. Lightweight, fits shirt pocket, heavy gage vinyl. Avoid embarrassment, use the PDQ runway finder. Shipping weight 1 1/2 lbs. Item No. 21-418-9

**\$49.5**

## TANK TIMER

**Warns pilot of fuel runoff, check points, holding patterns, etc.**

This easily mounted panel timer can be set for any period from 1 to 60 minutes to warn the pilot of any approaching event. Non-electrical. Gives full 18 second ringing sound. Shipping Weight 1 lb. Item No. 11-592-3

**\$79.5**

## DIRECTIONAL REFERENCE INDICATOR

The SHURWAY Directional Reference Indicator is an in-flight reminder for the busy pilot to show proper runway in use, heading, odd and even quadrants, 90° left or right from heading, etc. Fits standard 2 1/4" panel hole, 5/16" deep. Comes with adhesive for mounting on smooth surface, if desired. Shipping Wt. 1 1/2 lbs. Item No. 71-585-4

**\$79.5**



## TRUE AIR SPEED COMPUTER

Air Force True Air Speed Computer, Model G-1. Corrects indicated air speed to true air speed with temperature and altitude corrections. High precision, 8" diameter scale. Shpg. wt. 1-1/2 lbs. Item No. 11-305-0

**\$49.5**

## KNE-NAV

Complete with pencil storage tubes, pencil sharpener and custom Jeppesen Flight Plan/Log Form. Specifications: Aluminum construction with black finish. 6" wide, 10" long. Kne-Nav without attachments. Shipping Weight 2 lbs. Item No. 61-594-8

**\$13.50**

Name Holder & Spring Pencil Clip. Shipping weight 1 lb. Item No. 61-595-5

**\$2.50**

Light Fixture--no batteries. Shipping Weight 1 lb. Item No. 61-596-3

**\$8.00**

## AUTOMATIC NAVIGATION AND FUEL TIMER Warns you when time is up!

This new key chain wind up timer can be set to sound alarm for any time up to 2 hours. Can be set to warn you of estimated time of arrival, low fuel supply, time to file flight plan closing, etc.--will even tell you when your parking meter time is up! Swiss made. Attractively designed. Item No. 12-850-4

**\$69.00**

## DYMO LABEL MAKER KIT

**Raised-letter, plastic labels. Uses both 1/4" & 3/8" tapes**

Makes identification labels for aircraft instrument panels, radio equipment, safety notices, etc. Makes both horizontal and vertical reading tapes. Do not confuse this high quality tool with the cheaper plastic tools. Shipping Weight 3 lbs.

- 1 M-10 TAPEWRITER
- 6 Magazines 3/8" Tape
- 4 Magazines 1/4" Tape
- 1 Optimum size character wheel
- 1 Vertical character wheel
- 1 Texon carrying case

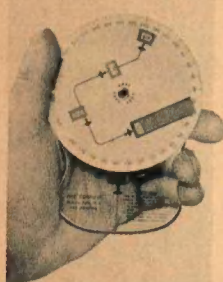
Item No. 31-584-6..... **\$299.5**

## DALTON COMPUTER

Flight Log and Aerial Dead Reckoning Computer, the famous Dalton E-68 aluminum folding case style computer

Holds pencil and noteboard. Includes aerial dead reckoning circular slide rule, density corrections, plotted computer, speed-time problems knots, flight log, Fahrenheit Centigrade and drift. Items. Surplus. Shipping U.S.A. 4 lbs. Item No. 21-138-3

**\$169.5**





# Flight Clothing, Parachutes, and Safety Belts



Made from soft, specially thin-cut 1-1/4 oz. weight, imported capeskin styled to conform smoothly to hand, gives perfect fit, absorbs perspiration, and gives complete freedom. Sewed with nylon and washable. Shipping weight 1 lb.

Type	Color	Size	Item No.
Mens	Brown	S	11-578-2
Mens	Brown	M	11-579-0
Mens	Brown	L	11-580-8
Mens	Brown	XL	11-581-6
Mens	Black	S	11-582-4
Mens	Black	M	11-583-2
Mens	Black	L	11-584-0
Mens	Black	XL	11-585-7

## LUXURY CAPEKIN FLYING GLOVES

Styled to Conform Smoothly to Hand for Perfect Fit!

Ladies	Brown	S	11-586-5
Ladies	Brown	M	11-587-3
Ladies	Brown	L	11-588-1
Ladies	Brown	XL	11-589

Any of the above ..... \$8.95

## AIRCRAFT SAFETY BELTS

These Belts meet the latest FAA Specifications (TSO-C22).



### NEW NYLON SAFETY BELTS

This is the standard safety belt for almost all aircraft. Belt measures 59" long from end to end at greatest opening, and can be shortened by sliding the loops to any length. Will also work with any shoulder harness. These belts meet the latest FAA specifications (TSO-C22). Shipping Weight 2-1/2 lbs.

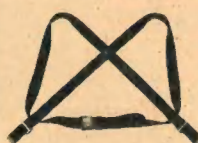
Dark Blue Item No. 21-031-0... \$7.50  
Gray Item No. 21-032-8... \$7.50



### NYLON SHOULDER HARNESS

Will fit any belt you now have - just slip the ends of the harness over the belt ends and fasten the two straps to the back of the seat or flooring. Made of the same materials used in FAA spec. C-22 belts. Shipping Weight 2-1/2 lbs.

Dark Blue Item No. 21-155-7... \$7.50  
Gray Item No. 21-156-5... \$7.50



### BONANZA SAFETY BELTS

#### Combination Seat & Shoulder Harness

This is the extra long safety belt used in the Bonanza that makes up into a shoulder harness. ALL NYLON with quick release buckle and adjustable slides. Better looking and easier to maintain than the original equipment. This belt meets latest FAA specifications. (TSO-C22). Measures about 14 feet long when extended. Shipping Weight 3 lbs. each.

ITEM NO.

Blue ..... 21-297-7  
Brown ..... 21-185-4  
Gray ..... 21-186-2  
Any of the Above ..... \$12.50

## PARACHUTES

### FAA Approved, Back or Seat Style

Chutes are new U.S. surplus and are inspected, assembled and packed by an FAA Certified Parachute Loft prior to shipment.

Complete assembly includes 28' ripstop nylon canopy, nylon harness, pack, pilot chute, risers, backpad and ripcord - conforms to FAA TSO C 23-B. These are the finest and most popular chutes for use in sailplanes, stuntplanes or any application where a certified parachute is required.

Deluxe Models have a softer, more flexible harness and ejector (easier opening) snaps.

S-4 (seat style) MUST be used in aircraft which are equipped with a cut-out type bucket seat. Approx. 6" thick. Shipping Weight 28 lbs.

S-4 Standard Model Item No. 11-371-2 \$7.50  
S-4 Deluxe Model Item No. 11-372-0 \$8.50

B-4 (back style) commonly used in all aircraft NOT equipped with a cut-out type bucket seat. Approx. 4-1/2" thick. Shipping Wt. 28 lbs.

B-4 Standard Model Item No. 11-369-5 \$7.50  
B-4 Deluxe Model Item No. 11-370-4 \$8.50



### AIRPLANE PATCHES

For your cap or jacket. Beautiful tri-colored embroidery on felt background. Size approximately 2" x 4". Four patches per package. Shipping Weight 5 ozs.

Price for

Make	Item No.	For
Cessna	12-788-6	\$5.00
Beech	12-786-0	\$5.00
Cherokee	12-789-4	\$5.00
Mooney	12-787-8	\$5.00



## PILOT'S FLIGHT SUIT

### 1-Piece design in Polyester and Cotton

1-Piece Pilot Flight Suit for men. Features wash and wear no-iron Sanforized SUPER-CLOTH, 50% Polyester, 50% combed Cotton gold colored material with full length zipper front. Exclusive tailoring details include elasticized waist band which will give up to 6" for added comfort and fit, adjustable buckle, 2-way zipper and 5 pockets. Men's regular sizes. Shipping Weight 2-1/2 lbs.

ITEM NO.

Small ..... 11-718-4  
Medium ..... 11-719-2  
Large ..... 11-720-0  
X Large ..... 11-721-8  
XX Large ..... 11-722-6  
Any of the Above ..... \$19.00



### PORTABLE LUGGAGE CARRIER

Folds for easy storage New "TOTE-ALL" Personal Luggage Carrier for executive aircraft, marine and personal use. Compact, portable, lightweight, ball bearing wheels.

For travelers, salesmen, executives, photographers, delivery men, housewives.

Model 186-1, Carries 100 lbs., Weights 4 lbs., measures 4 x 5 x 24", Wheels measure 4". Item No. 13-020-3 \$32.50

Model 186-2, Carries 150 lbs., Weights 6-3/4 lbs., measures 6 x 9 x 28", Wheels measure 6". Item No. 13-021-1 \$42.50



## FLIGHT SUITS

Air Force Wool Gbbardine Flying Suits with the slide fastener front, set in sleeves, zippers on pockets, legs, etc. They are similar to suit pictured above. Released as surplus by the Air Force.

Re-issue suits have been used, but are fully cleaned and minor repairs made where needed.

They all look perfect and show very little, if any, wear. You must be perfectly satisfied or your money will be refunded in full. Shipping Wt. 4 lbs.

RE-ISSUE Size Small Item No. 21-229-0 \$15.50



## ANTI "G" SUIT

Air Force Pneumatic Anti "G" Suit. Type G3A, Spec. No. C-3231. Size: small - long, Stock No. 8300-858470.

Mfg. by Berger Bros. Co. This suit operates to squeeze the legs and stomach area of the pilot to force blood upward during high "G" maneuvers thereby preventing pilot to "black-out". Brand New. Shipping Weight 3 lbs.

Item No. 21-404-9 \$15.00



## "WICKIE" PORTABLE URINAL

"WICKIE" is an individual portable urinal for aircraft that is spillproof, sanitary, odor-free, easy to use, easy to clean. Non-spill valve, unbreakable, leakproof, one quart capacity, made of Polyethylene with stainless steel valve parts. Shipping Weight 2 lbs.

Item No. 21-255-5 \$5.95



## FLYING HELMET

The open cockpit type helmet is khaki poplin with built-in regulation chamols lined soft rubber headphone pads (which can be removed). It has adjustable chin strap with felt liner and a suede headband. The ear cups alone are well worth the price of the helmet.

ITEM NO.

Small ..... 21-449-4  
TWO FOR ..... \$5.00

Also available in soft leather, otherwise similar to one above.

ITEM NO.

Small ..... 21-413-0  
Large ..... 21-415-5

Any of the Above ..... Each \$7.50



## FLIGHT KAP

A popular "square bill" design born in the Air Force. Made from tan, water repellent treated poplin and featuring a special, all-silk backed leather sweat band and green under-visor. Model No. 43. Shipping Wt. 1 lb.

ITEM NO.

6-3/4 ..... 11-593-1  
7 ..... 11-594-9  
7-1/4 ..... 11-595-6  
7-1/2 ..... 11-596-4  
7-3/4 ..... 11-597-2  
Any of the Above ..... \$3.00



## H.E.R.E. "Human Element Range Extender" Throw-Away Plastic Urinal

This new polyethylene plastic urinal is inexpensive enough so that it may be used once and thrown away. However, it may be cleaned and reused. Plastic cap seals unit after use. Measures 9" high, 3" diameter. Weighs less than 2 ozs. when empty. Shipping Weight 4 lbs. Package of 4 - Item No. 21-517-8 \$3.50

Be. 32" hig

TRAN PRC Beautiful laminated gloss fir

W 4



# Flight Bags, Chart and Map Cases



## PLASTIC RELIEF MAPS in Full Color

Here are the famous AERO 3 dimensional maps that have won national awards. In addition to the detail common to most maps, these multi-colored maps are actually 3 dimensional.

Mountain ranges, rivers and other details are impressed into the tough Vinylite plastic finish which may be drawn upon with crayon without harming them. Already framed and mounted, printed in eight or more colors, these are the finest representational maps available.

### DECORATOR SERIES

United States 41 x 26 \$24.95 21-336-3  
World 41 x 26 \$24.95 21-337-1

### DELUXE SERIES No COD's on maps.

MAP	SIZE	PRICE	ITEM
United States	61 x 42	\$49.95	21-120-1
World	61 x 42	\$49.95	21-124-3
Canada	45 x 49	\$49.95	21-121-9
South America	41 x 54	\$49.95	21-122-7
North America	41 x 54	\$49.95	21-334-8
Europe	42 x 48	\$49.95	21-123-5
Africa	45 x 49	\$49.95	21-335-5
California	41 x 47	\$39.50	21-126-8
New Jersey	30 x 48	\$32.50	21-125-0
Pennsylvania	39 x 59	\$39.50	21-128-4
Wisconsin	36 x 43	\$32.50	21-127-6
New York, Conn, and Vermont	52 x 40	\$39.50	21-143-3
Venezuela	45 x 56	\$45.00	21-129-2

## PORTABLE 'FOLD-UP' SCOOTER



Lightweight, only 57 lbs.  
Speeds up to 25 mph!

The brand new Cardinal Fold-Up Scooter weighs only 57 pounds, yet speeds up to 25 mph. One bolt is all that you need to remove to fold the Cardinal up to less than 23" high by 36" long. The Cardinal comes to you with a 4 cycle, 2-1/2 HP engine, fully automatic clutch, foot operated throttle control, foot operated aluminum cam action brake, pneumatic wheel and tire assembly, large banana type seat, high lift handle bars and painted blue.

The Cardinal will fit into a Cessna 150 on up, Pipers, Mooneys and most popular small planes. Just ideal for economical transportation when you arrive. Each Cardinal is individually boxed for shipment.

Item No.

11-756-4

\$1399.5

## AIRPLANE "NAME HOLDER"



An exact scale representation of a famous early by-plane cast in solid aluminum. 11" long, (airplane 7-1/8"). Treated with special white reflectorized finish. Standard 9" spacing of loops to fit all standard name plates, available anywhere.

Complete as shown (less name plate and post). Unique, different, and a quality item. Shipping Weight 3 lbs.

Item No. 11-274-8

\$79.5

## PILOT'S FLIGHT CASE



### Designed by and for pilots for ease of use in the cockpit.

These compartmented cases are available in three sizes to fit any requirement. Sides and bottom are made of Armor Clad vinyl coated material laminated to extra tough backing. A practically indestructible material. For ease of handling and smart styling, the fully opening tops are made of genuine leather. The molded handle is unbreakable. The two key locks are British made and fit perfectly.

### Custom designed for pilots

- \* Single action snap-open English locks.
- \* Full flap opening.
- \* Flight weight.
- \* Steel reinforced top.
- \* Double stitched with genuine nylon thread.

We sincerely believe these cases are the finest on the market. These units are made to our order by one of the leading luggage manufacturers in the United States. Triple-compartment interior, cordovan brown grained finish.

Size: 16" x 11-1/2" x 6-3/4" \$249.5  
Item No. 12-923-9

Size: 18" x 13" x 7-1/2" \$269.5  
Item No. 12-924-7

Size: 20" x 13-1/2" x 8" \$289.5  
Item No. 12-925-4

## PILOT MAP & TRAVEL CASE



### Newly Designed Jet Age Business Case

This highest quality Jettache' case contains legal size folio section, combination lock, fabric interior, shatter-resistant, with full 5 year guarantee. Cylolac case measures 17-1/4" x 12" x 4-1/4". Beautiful Bronze Finish. Manufactured by Stebco, a high quality line. Shipping Weight 7 lbs.

\$249.5

### MATCHING DELUXE FLIGHT BAG AND MAP CASE



Highest quality Nylon Fabric Map Case measures 10-1/2" x 15" with outside pocket for computers. Even holds 3-ring notebooks.

Flight Bag is washable nylon with vinyl interior. Masonite bottom. Side pocket for maps, etc. Very attractive gold trim. Measures 9" high x 5-1/2" x 14-1/2" at bottom. Shipping weight 1 lb. 9 ozs. Available in 4 colors:

Navy Nylon Brown Nylon  
Item No. 12-297-8 Item No. 12-295-2  
Black Nylon Red Nylon  
Item No. 12-298-6 Item No. 12-296-0

Complete Matching set of  
Map Case and Flight Bag..... \$640

### "WINGS" JEWELRY



### Pilot's Lapel Button & Tie Clip

Newly Designed "Wings" Jewelry includes small lapel button and tie clip. Well made, popular aviation design, packed in gift boxes, one of each. Shipping Weight 1 lb.

14 KT Gold Plated \$500  
Item No. 21-488-2

Rhodium Silver Finish \$500  
Item No. 21-489-0

## MINI-PILOT JEWELRY SET



Cartoon character Mini-Pilot jewelry set has matching earrings, chain bracelet, and pin. In crystal gift boxes.

Mini-Pilot Set, 14K Gold Plate \$79.5  
Item No. 12-795-1

Mini-Pilot Set, Rhodium Plate (Silver) \$79.5  
Item No. 12-796-9

## LADIES' JEWELRY SET



Attractive Ladies' Jewelry Set with an aviation theme. Chain link chain bracelet, blouse pin and earrings—all with "Flying Wings" design. Packaged in individual crystal plastic gift boxes.

14K Gold Plated \$84.5  
Item No. 12-791-0

Rhodium Plated (Silver Color) \$84.5  
Item No. 12-797-7

## LADIES' AIRCRAFT JEWELRY



Cute Bi-plane jewelry set. Blouse pin, chain bracelet with charm and matched earrings. In gift box.

Bi-plane set. 14K Gold Plated \$900  
Item No. 12-792-8

Bi-plane set. Rhodium (silver) plated \$900  
Item No. 12-798-5

## MEN'S AVIATION

### JEWELRY SET



Aviation Jewelry Set for Men—detailed "wings" in a matching set of tie clasp, cuff links and lapel pin. In crystal plastic jewel boxes.

Men's "Wings" Jewelry Set, 14K Gold Plated \$800  
Item No. 12-790-2

Men's "Wings" Jewelry Set, Rhodium Plated \$800  
Item No. 12-793-6

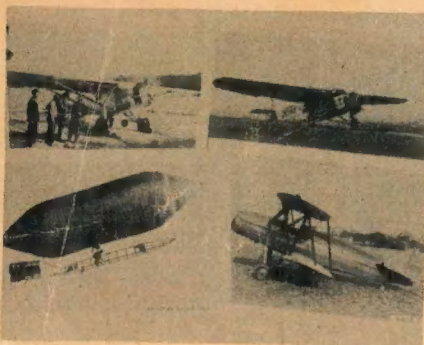
## AIRCRAFT COMPONENTS, INC.

BENTON HARBOR, MICH. 49022, U.S.A.

Page 5



# Self Training Courses, Movies & Phono-Records



**"LINDBERGH'S FLIGHT TO PARIS"**  
A rare film showing the "Spirit of St. Louis" on its way to Paris. Also, in the film you will see an actual crash of a Fokker and Bellanca airplane. 16mm silent film.

Brand new lab. prints. 215 ft. Year, 1927. Shipping Wt. 3 lbs. Item No. 11-789-5 **\$19.50**

## HISTORIC REVIEW OF AVIATION-1920's

This film covers the History of Aviation from World War I and during the 1920's. Many historic events are seen. A film well worth having in your library. 14 min. 16mm Sound. Shipping Wt. 3 lbs. Item No. 12-287-9 **\$40.00**

## RARE HISTORICAL AVIATION MOVIES... A Fascinating New Hobby!

### "AIR MANIACS" MOVIE

"Air Maniacs" is a full 400 foot 16mm sound film that was originally released for showing in 1933. It has antique planes doing aerobatics and is full of action and comedy.

Everyone will enjoy this rare film. Features comedy with Vince Barnett and lots of aerobatic flying. Shipping Wt. 3 lbs. Item 11-764-8 **\$32.00**

### "AVIATION ODDITIES"

Some of the odd looking creatures there are a PLANE WITH A BOAT SAIL FOR THRUST-- BICYCLES WITH WINGS-- A MANFLAPPING WINGS-- A BICYCLE WITH WINGS AND JET PROPELLED--THE SKY CAR--and others. Many humorous scenes from the experimental days of aviation. 6 Min. 16mm Sound. A rare film. Shipping Wt. 3 lbs. Item No. 12-286-1 **\$21.00**

### "HIGHLIGHTS OF AVIATION"

A review of aviation from the experimental days to the DC-3. If you would like a film that shows many different types of aircraft from the past, including the DC-3, this is a MUST as it is an interesting and valuable film to own. 400 ft. 16mm Sound, brand new lab. prints. Shipping Wt. 4 lbs. Item 12-169-9 **\$32.00**

## New PICTURE BOOKS ON AVIATION



### FAMOUS AIRCRAFT SERIES

More than 80,000 copies of these books have been purchased by air minded readers the world over. Each is 8-1/2" x 11", bound in semi-stiff covers and profusely illustrated.

The B-17 Flying Fortress Item No. 11-051-0. **\$2.95**

The P-47 Thunderbolt Item No. 11-053-6. **\$2.95**

The F-86 Sabre Item No. 11-056-9. **\$2.95**

The AT-6 Harvard Item No. 11-057-7. **\$2.95**

Allied Aces of WWII Item No. 12-226-7. **\$2.95**

The Hindenburg Item No. 11-059-3. **\$2.95**

Planes the Aces Flew Item No. 11-052-8. **\$2.95**

The Douglas DC-3 Item No. 11-058-5. **\$2.95**

The Sea Planes Item No. 11-055-1. **\$2.95**

Lockheed Constellation Item No. 12-461-0. **\$2.95**

B-58 Hustler Item No. 12-462-8. **\$2.95**

Boeing 707 Item No. 12-463-6. **\$2.95**

Messerschmitt Bf. 109 Item No. 12-464-4. **\$2.95**

The P-51 Mustang Item No. 11-054-4. **\$2.95**

The P-40 Kittyhawk Item No. 12-816-5 **\$2.95**

### SO YOU WANT TO BE AN AIRLINE STEWARDESS

Keith Saunders tells the history of the Airline Stewardess from the 4 Tri-Motor Days until now. Explains how applicants are selected and trained, what they do in flight, how they live, what they think of their work.

Without question, the finest book on the subject ever published. 6" x 9", about 160 pages illustrated. Color jacket. Book No. 1661.

Shpg. wt. 1 lb. Item 12-465-1 **\$4.95**

### HISTORICAL AVIATION ALBUM Pictures and stories on unusual American Aircraft

A brand new book by Paul R. Matt In his "Old American Series" that traces unusual aircraft from the Piltzner 1910 monoplane to the F11F-1 "Tiger". These booklets will give you an interesting evening of reading. 8-1/2" x 11", in semi-stiff covers.

208 pages. Complete set of 4 volumes. Shipping Weight 1 lb. Item No. 12-257-2 **\$11.92**

### WARPLANES OF THE WORLD Illustrated; indexed; 210 pages; cloth

A full page is devoted to each of the 131 major types of active fighter, bomber, tactical and strategic transport and anti-submarine aircraft, each illustrated. Included are the latest Russian as well as other Iron-Curtain military aircraft. Model No. 1502. Shipping Weight 1 lb.

Item No. 11-765-5 **\$4.95**

### WARPLANES OF YESTERYEAR Illustrated; 122 pages; cloth

WARPLANES OF YESTERYEAR offers a pleasant, nostalgic admixture of portraits of well-known historical airplanes and some interesting "on-offs" and "might-have-beens". There are over 270 fascinating photographs, each with an informative caption. Shpg. wt. 1 lb. Item 11-766-3 **\$5.95**

### AIRLINERS OF THE WORLD AND AIRCRAFT OF THE UNITED STATES

This series of three books includes: Airliners of the World, Bomber Aircraft of the United States, and Fighter Aircraft of the United States. Almost 300 pages of pictures and descriptive copy of all the major aircraft models now in use. Shipping Wt. 1 lb. Item No. 12-225-9 **\$5.85**

### NAVIGATOR COMPASS



Illuminated Model for Car or Boat

Push button illumination provided by a self-contained battery. Shipping Wt. 2-1/2 lbs. Model 2976. Item No. 11-253-2 **\$7.95**



Perfect replacement for Airmen's Guide! UPDATED MONTHLY!

### SKY PRINTS ATLAS

The SKY PRINTS ATLAS, a VFR enroute service for the U.S.

In addition to the 26 charts for the U.S., showing primary communication frequencies and pre-plotted courses between VORs, the new features added are: Runway diagrams of over 600 airports. New style flight planning chart of all VORs.

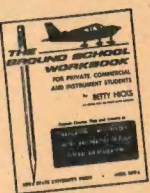
The Sky Prints Atlas was designed to fill the void between AC and IFR charts by providing all direct routes between omnis plus the availability of a coordinated update system for each chart.

Complete with monthly update service for U.S., Canadian and Mexican customers only. Shipping Weight 2 lbs. Item No. 21-397-5 **\$21.50**



### STUDENT PILOT'S MANUAL

The Student Pilot's Flight Manual is the most complete and up-to-date flight manual on the market. All required maneuvers are covered in detail, including new instrument training. Item No. 21-400-7 **\$4.95**



### THE GROUND SCHOOL

The book is designed to help private, commercial, and instrument students master the "paper and pencil" aspect of flying. Shipping Wt. 3 lbs. Item No. 11-552-7 **\$5.95**



### PRIVATE PILOT'S MANUAL

The Private Pilot's Flight Manual includes Instrument flying ground and maneuvers to fulfill the requirements of "Blue Seal" certificate as well as the needs of the pilot preparing for the commercial flight test. Shipping Weight 2 lbs. Item No. 21-365-2 **\$5.95**



### INSTRUMENT FLIGHT MANUAL

The Instrument Flight Manual is an up-to-date, comprehensive manual for the private commercial pilot. Shipping Weight 2 lbs. Item No. 12-292-9 **\$5.95**

## The New, Popular RECORD ALBUMS ON FLYING



**"ATC CLEARS"**  
ATC Clears -- Designed to give all pilots proficiency copying ATC Clearance. Shipping Weight 3 lbs. Item No. 21-482-5 **\$8.95**

**"WEATHER FOR PILOTS"**  
This unique kit contains TWO one hour recordings covering the complete subject of weather, from a discussion of unstable air masses and frontal movements to proper flying techniques in inclement weather. Shipping Weight 3 lbs. Item No. 21-479-1 **\$12.91**

**"MORSE CODE FOR PILOTS"**  
Morse Code for Pilots--New, easy way to learn and identify the sounds of radio facility codes (includes new, "programmed" manual). Shipping wt. 3 lbs. Item No. 21-481-7 **\$8.98**

**"ENROUTE - VFR"**  
Here is the perfect flight trainer for the VFR pilot--this is a recording of an actual flight between Chicago and St. Louis. Included are all of the actual conversations between pilot and FAA, cockpit sounds, etc. Regular HI-FI Album. Shipping Wt. 3 lbs. Item No. 21-272-0 **\$5.00**

**"ON COURSE, THE GLIDE PATH"**  
On this real life high fidelity, long playing record you experience an actual ground controlled radar approach at the Los Angeles Int'l Airport. You are in the pilot's seat as you hear the final controller's corrections to bring the plane "on the glide path" to a safe landing. Shpg. wt. 3 lbs. Item No. 21-475-9 **\$5.98**

### IFR CLEARANCE RECORDING

On one side the Sanderson recording gives the student clearances at a slow speed, and the other side has clearances recorded as they actually would be received from ATC. Shipping Weight 3 lbs. Item No. 11-741-6 **\$5.95**

### "IN RADAR CONTACT"

"...IN RADAR CONTACT" is the name of our latest album. Recorded and produced in the New York area, the listener hears over 50 min. of unusual in-flight situations. Recorded as it actually happened, this album is extremely informative. Sectional and IFR area charts are included in the album. Shpg. wt. 3 lbs. Item No. 21-477-5 **\$5.98**

### "INSTRUMENT FLIGHT"

This special high fidelity, long playing album details to you the real heart of instrument flying. Simply by listening you are taught, effortlessly and quickly the simplicity of IFR flying. Navigation charts and a specially prepared manual are also included. Shipping Wt. 3 lbs. Item No. 21-476-7 **\$8.98**

### "TOWER COMMUNICATIONS"

This new high fidelity, pure vinyl album now removes the basic mystery of aircraft radio. It is real! Actually recorded in the air by ATR pilots. Pilots will find this record a must for learning the proper skills and habits of radio communications. Shpg. wt. 3 lbs. Item No. 21-480-9 **\$5.98**

### "THEORY OF FLIGHT"

Included with record is a 20 page manual with drawings, cartoons and illustrations. Also includes home demonstration experiments that help explain how aircraft fly. For everyone: students, commercial pilots, instructors, ATR pilots. Shipping Weight 3 lbs. Item No. 21-483-3 **\$5.98**

### "LOS ANGELES TO NEW YORK VFR"

This is a recording of an actual flight on high fidelity 33-1/3 rpm discs. The complete "flight trip kit" includes the two long playing records and all instruction materials. Shipping Weight 3 lbs. Item No. 21-478-3 **\$14.98**



# Aircraft Thermos Bottles & Safety Equipment



## AIRLINE TYPE THERMOS JUGS

**Unbreakable, with a 5 Year Guarantee!**  
Leak-proof, screw-in stopper, Non-drip pouring lip, new insulated cup cap. Perfect for private and business aircraft.

### One Pint Size

1-Pint Size - Model A943B. Stainless Steel Interior, Enamel exterior and a Stainless Steel cup. Shipping Weight 2 lbs. Item No. 21-523-6 **\$12 80**

### One Quart Size

1-Quart Size - Model A944B. Stainless Steel Interior, Enamel exterior and a stainless steel cup. Shipping Weight 3 lbs. Item No. 21-347-0 **\$14 40**

1-Quart Size - Model A5401. All Stainless Steel (inside and out). Shipping Weight 4 lbs. Item No. 11-913-1 **\$19 50**

1-Quart Wide Mouth Size - Model A5401. All Stainless Steel Interior, Enamel exterior and a Stainless Steel Cup. Shipping Weight 3-1/2 lbs. Item No. 21-384-3 **\$23 95**



## Half-Gallon Size

2-Quart Size - Model A945B. Stainless Steel Interior, Enamel exterior and a Stainless Steel cup. Shipping Weight 5-1/2 lbs. Item No. 21-348-8 **\$16 80**

2-Quart Size - Model A6501. All Stainless Steel (inside and out). Shipping Wt. 5-1/2 lbs. Item No. 11-914-9 **\$25 43**

## Spigots for Stanley Thermos Bottles

To convert Stanley Thermos Bottles to Spigot Type, add the following:

Spigot for one-quart bottle. Shipping Weight 1 lb. 2 ozs. Model A72. Item No. 11-915-6 **\$20 93**

Spigot for two-quart bottle. Shipping Weight 1 lb. 2 ozs. Model A17. Item No. 11-916-4 **\$22 43**

## Mounting Brackets

Holds dispensing bottles securely for bulkhead use, buckle-type closure snaps open for easy bottle removal. Stainless Steel.

Bracket for 1-quart bottle. Shipping Weight 1-1/2 lbs. Model A5305. Item No. 11-917-2 **\$10 88**

Bracket for 2-Quart bottle. Shipping Weight 2 lbs. Model No. A5306. Item No. 11-918-0 **\$11 55**



## UNBREAKABLE STAINLESS STEEL AIRCRAFT HOT CUP STATION

Aircraft Service Station complete, ready to install for fast in-flight service of your favorite hot soups, beverages, and cereals.

Furnished with cord attached, easily installed with metal screws. Equipped with adjustable 30 minute timer and current warning light, patented swivel type plug receptacle, retaining ball secures cup and cover when not in use. Holds 37 ozs., 7-1/2" high.

24 Volt Model Service Station. Hot cup extra as below Type HB-VT-24. Shipping Wt. 6 lbs. Item No. 21-375-1 **\$45 00**

24 Volt, 480 watts Hot Cup Only - Type STD5-N-VT-24. Shipping Weight 4 lbs. Item No. 21-377-7 **\$36 00**

110 Volt Model Service Station. Hot cup extra as below. Type HB-1-VT-110. Shipping Weight 4-1/2 lbs. Item No. 21-376-9 **\$45 00**

110 Volt, 660 Watts Hot Cup Only Type STD5-N-VT-110. Shipping Weight 4-1/2 lbs. Item No. 21-378-5 **\$36 00**



## UNBREAKABLE ONE QUART WITH CASE

Here is the perfect vacuum bottle for the light plane owner. Stanley Stainless Steel lined one-quart capacity vacuum bottle with convenient case and carrying strap. Fine quality material throughout - do not confuse this unit with the cheaper glass lined bottles.

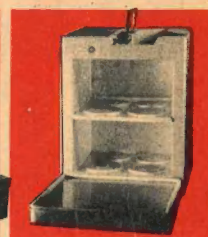
There is nothing that can break. Case looks like leather, but is resistant to stains and will outwear leather. Construction is the same as the high quality bottles used by the airlines, but in a smaller size for smaller aircraft. Guaranteed not to break, no seams, cup and base chrome plated, scuff resistant finish. Part No. A9411B. Shipping Weight 5 lbs. Item No. 21-303-3 **\$19 95**



## UNBREAKABLE LIGHT PLANE KIT UTILITY MODEL

Designed for single engines and light twin aircraft such as Apache, Twin Bonanza and Cessna, this hot and cold drink and food set made by Stanley is the finest you can buy. Unbreakable stainless steel liner is odorless, easily cleaned and will not break as glass will. High vacuum efficiency keeps food hot or cold for hours.

Texon carrying case is wide-hinged with snap shut lid. Looks like leather, but will outwear leather. Stanley Vacuum Bottles are used by airlines throughout the world. Complete as shown with two 1-quart bottles, food tray and carrying case. Part No. A9402B. Shipping Wt. 13 lbs. Item No. 21-253-0 **\$37 50**



## AIRCRAFT FOOD WARMER

This handy small size oven is designed for aircraft use. Air Force Type B-3 oven operates on 24 volts or 115 volts, 920 watts. Keeps food hot. Drop front door acts as shelf, has an insulated carrying handle, also an inside divider shelf.

Lightweight, aluminum body. Shipping Wt. 10 lbs. Surplus. Item No. 12-272-1 **\$19 50**



## AIRPORT & EMERGENCY CRASH AXES

For Use on Commercial Aircraft and Safety Vehicles

30" Crash Axe. Rubber insulated handle. Government approved type. Shipping Wt. 14 lbs. Item No. 51-426-5 **\$70 00**

15-1/2" Aircraft and Vehicle Crash Hatchet. Rubber insulated handle, Government approved type. Shipping Wt. 3-1/2 lbs. Surplus. Item No. 51-442-5 **\$19 95**



## PORTABLE STRETCHER FITS IN AIRPLANE

The New Custom Air Portable Stretcher is easy to install and sets up fast. It is completely approved by the FAA, PMA, STC-1178, and Cessna Aircraft Co. Comfortable and durable, made of 4130 chrom-alloy steel and covered with 10 oz. flameproofed ducking. Eliminate need of pre-installing any equipment - only cost is for the stretcher.

It's simple and easy - and the patient rides facing the front.

All single engine four place Cessna Models except Sky-master. Shipping Wt. 10 lbs. Item No. 21-435-3 **\$154 00**

Cessna Sky-master. Shipping Weight 10 lbs. Item No. 21-436-1 **\$154 00**

Piper Cherokee, Comanche, Twin Comanche. Shipping Weight 10 lbs. Item No. 21-437-9 **\$154 00**

Piper Apache or Aztec. Shipping Weight 10 lbs. Item No. 21-438-7 **\$165 00**

## KIDDE COMPACT DRY CHEMICAL FIRE EXTINGUISHER



The new Kidde Dry Chemical 2-3/4 lb. Fire Extinguisher (pressurized) is perfect for use on all aircraft. Carries the highest rating for fire extinguishing capacity - equal to 8 one quart carbon tetrachloride pump extinguishers. No recharging needed, after use replace the old cylinder with a newly charged unit for only \$3.95. Mounts snugly anywhere, operates by lifting the handle and pressing lever.

Both Underwriters Labs and U.S. Coast Guard Approved. Complete with pressure gage. No need to weigh cylinder. Shipping Weight 6-1/2 lbs. each. Model 2-3/4 DCK. Item No. 21-312-4. **\$11 95**

Dealer Carton of 6 Extinguishers Each **\$9 00**

Spare recharged cylinders, Model DCKR-2-1/2. Item No. 21-313-2. **\$3 95**

## HEAVY-DUTY DRY CHEMICAL FIRE EXTINGUISHERS



For flammable liquid, gas and electrical fires

These units provide fast, positive protection against flammable liquid, electrical, and LP gas fires. Dry powder smothers flames on contact, is non-toxic, won't freeze.

Model No.	Capacity	Item No.	List Price	Net Price
PDC 5R	5 lbs.	11-777-0	\$30.60	\$23.70
PDC 10R	10 lbs.	11-778-8	\$56.90	\$44.10
PDC 20R	20 lbs.	11-779-6	\$72.50	\$56.15

## CARBON DIOXIDE

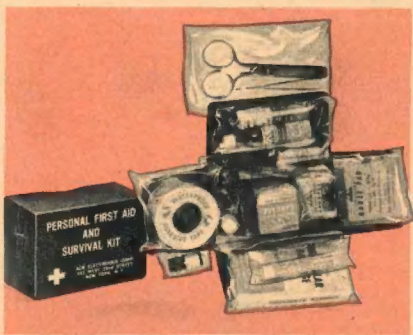
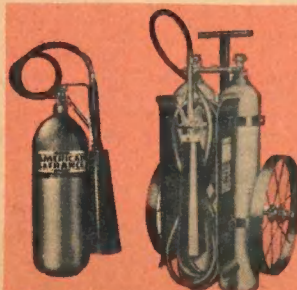
Model No.	Capacity	Item No.	List Price	Net Price
5 MK I	5 lbs.	11-780-4	\$43.00	\$33.25
10 MK I	10 lbs.	11-781-2	\$70.50	\$54.55
15 MK I	15 lbs.	11-782-0	\$75.50	\$58.40

Model 50CDW, 50 lb. wheeled unit, rubber tired wheels, 15 foot hose. Item No. 12-171-5

LIST PRICE - \$311.10 NET PRICE - **\$198 00**

Model 100CDW, 100 lb. wheeled unit, steel wheels, 40 foot hose. Item No. 12-172-3

LIST PRICE - \$760.00 NET PRICE - **\$484 50**



## FLIGHT DOCTOR

Compact, highly durable First-Aid and Survival Kit. Special vinyl case is impervious to rust, vibration, shock, dust, moisture, water, and will not sink. All items completely sterilized and individually sealed within kit. Adhesive lining holds contents securely in place, even with opened kit held upside down. Each item can be securely replaced

after use. Kit is sealed with special reusable tape.

19 articles are included. Authoritative 16-page booklet on First-Aid also included. Field tested by the U.S. Military, it can easily be carried by an individual or stowed in a life raft. Shipping Weight, including plywood bag for added protection, 15 oz. Flight Doctor. Item No. 12-419-8 **\$15 95**



## AIRCRAFT FIRST-AID KIT

Federal Aviation Agency Approved for Charter and Commercial Aircraft.

This Approved First-Aid Kit contains all of the materials required by Federal Aviation Agency for all aircraft in charter or commercial use. Made in 3 sizes as required.

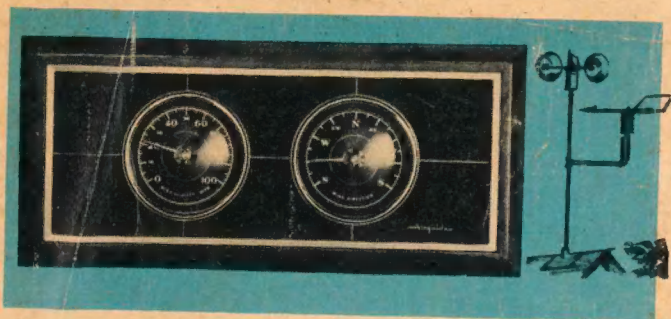
Kit for aircraft of up to 5 persons seating capacity. Shipping Wt. 4 lbs. Item No. 21-360-3 **\$12 50**

Kit for aircraft of 6 to 25 persons seating capacity. Shipping Wt. 6 lbs. Item No. 21-361-1 **\$16 00**

Kit for aircraft of over 25 persons seating capacity. Shipping Wt. 7 lbs. Item No. 21-362-9 **\$22 50**



# Beautifully Designed Weather Instruments



## AIRGUIDE SENTINEL WIND INDICATOR

Tells Wind Speed & Wind Direction • Electrically Operated  
Continuous Readings • Wide-Sweep 250° Dials • Mounts  
on Desk or Wall

Here is the same type of weather instrument used by professional weather stations and many television weather forecasters. Gives you continuous readings of wind speed and wind direction. Fascinating to watch and a practical guide to weather conditions. A beautiful decoration for wall mounting or for table top (feet which are furnished may be easily attached.) Console is solid walnut with dark brown panel insert and gold accent lines. Dials are black with white figures and red indicator hands.

### Specifications:

Console: 15-3/4" wide, 7-1/4" high, 2-1/8" deep. Includes 6 feet of power

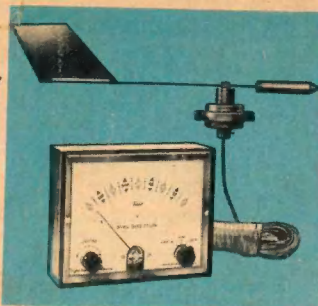
cord for plug into regular 110-volt household power outlet (draws only 4 watts).

### Easy to Install

#### Remote Pick-Up Unit

Remote pick-up unit mounts readily on either peaked or flat roof, with just 4 screws. Teflon bearings--no lubrication required. Includes 50 feet of 3-conductor flat 1/4" wide cable for connection to console, similar to TV set lead-in.

36" high. All exposed metal surfaces are chrome-plated or painted for weather protection. Shipping Weight 15 lbs. Model 915  
Item No. 11-900-8 **\$159 50**



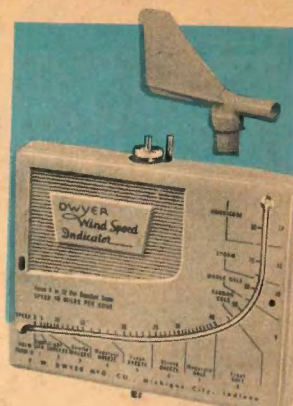
## WIND DIRECTION INDICATOR

Self-contained, no external power required

Wind direction may now be read at the most convenient indoor point, day or night.

The system is completely self-contained, with no outside source of power or electrical connection required. A ball-type thrust bearing and precious metal contacts in the transmitter ensure long life. One ordinary flashlight battery is used, with provision for easy recalibration so that maximum usage may be obtained from the battery. Installation is simple, comparable to that of a TV antenna. The vane and transmitter may be mounted in any suitable outdoor location, up to 2000 feet away, if desired.

May be used on desk, table or mantel shelf, or may be well mounted if more convenient. Shipping Weight 5 lbs. Model No. 3106.  
Item No. 71-292-7 **\$59 95**



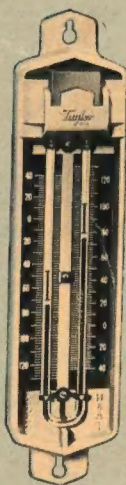
## WIND SPEED INDICATOR

"Self-contained, requires no electrical power"

A practical, low-cost, wind-speed indicator with more than enough accuracy for all but observatory use. Wind velocity registered by liquid filled tube calibrated in both miles per hour and Beaufort Scale.

Indicator is gray molded Tenite II plastic with jet black readings. Size of gauge 7-3/8" wide x 5-7/8" high. Shipping Weight 4 lbs.  
Item No. 71-663-9 **\$24 95**

## HIGH AND LOW RECORDING THERMOMETER



Thermometer automatically records the highest and lowest temperature reached since the last resetting of the instrument.

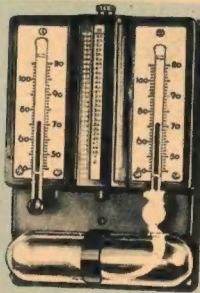
Also shows present temperature. The recording indices are reset by means of a small magnet furnished with the instrument.

Widely used for frost warning and high temperature indication. Attractive 12" weather resistant plastic case with individually graduated scales. Range is minus 30° to plus 120° Fahrenheit. Attractively packaged with full operating instructions and mounting screw. Shipping Weight 2 lbs.

Model No. 5458.  
Item No. 71-152-3

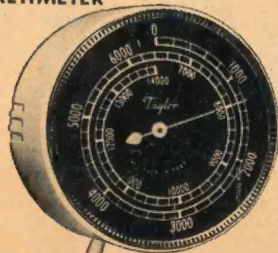
**\$12 95**

## RELATIVE HUMIDITY



For continuous reading of the relative humidity, the new Wall Mount style Hygrometer is the best all-around instrument. Contains two thermometers: one reads dry bulb temperature and the other reads wet bulb temperature. Complete with water holder, extra wick, built-in automatic relative humidity dial and informative instruction book. Widely used in homes and offices for control of relative humidity. Shipping Weight 2 lbs. Taylor Instrument Co. Model 5535.  
Item No. 71-285-1 **\$12 50**

## ALTIMETER



Indicates elevation changes for the traveler as they occur. White case 3-1/4", with easy mount bracket. UNI/MAG movement. For altitudes 0-6000 feet. Boxed, 8-3/4 ozs. Model 6203-F.  
Item No. 11-313-4 **\$12 50**

## AUTHENTIC PERIOD BAROMETER



Elegantly styled, after the beloved Grandfather Clock, to add warmth and charm to the exquisitely appointed home. Masterfully reproduced in solid cherry with a hand rubbed antique finish. Traditionally ornate barometer and humidity dials and thermometer scale, of brass, gold and white, add beauty and readability. Brass finials. 28" x 10" x 3". Boxed with instructions. Shipping Weight 7 lbs. Model No. 6408.  
Item No. 12-221-8 **\$75 00**

## STORMSCOPE PENDANT BAROMETER



## Styled for House and Office Use

The Statesmen STORMSCOPE Barometer has greater accuracy in local weather forecasting. The perfect gift item.

Case measures 21-1/2" high x 7-1/4" wide, and is made of genuine mahogany. Thermometer tube is recessed for protection. Relative humidity indicator included.

The remarkable new UNI/MAG movement provides 2-1/2 times more pointer motion, for a given amount of barometric pressure change. Shipping Weight 4 lbs. Model No. 6401.  
Item No. 71-557-3 **\$27 50**

AIRCRAFT COMPONENTS, INC.  
BENTON HARBOR, MICH. 49022, U.S.A.

Page 8

Phone 616 925-8863



# Weather Instruments for Airports & Home



## WEATHER STATION Shows Temperature, Humidity, and Barometric Pressure

Attractive solid Mahogany case with recessed front finished in gold. High visibility red pointers.

Room temperature and indoor relative humidity are shown on the right-hand dial, and are easily read.

Highly sensitive barometer unit has 2-1/2 times more sensitivity than standard units.

Very high quality construction. Case measures 10-3/4" x 4-7/8". This unit is designed for use at any altitude from sea level to 10,000 feet elevation. Comes complete with full instructions and weather forecasting dial. Shipping Weight 5 lbs. Model 6501.

Item No. 71-558-1

**\$27.50**



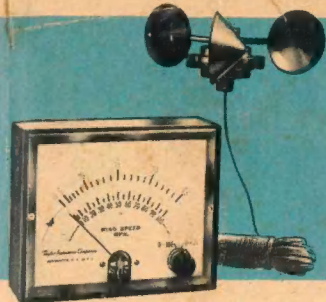
## DESK BAROMETER Features Ultra-Sensitive Meter Movement

This new desk or shelf barometer features the new high sensitivity meter movement with 2-1/2 times more pointer motion than other barometers. This makes for easy predictability of weather changes.

The meter case is 5-1/2" wide x 5" high, with brass finish, satin grained design. Use at any altitude from sea level to 10,000 feet elevation. Comes complete with forecasting chart and shows equivalent sea level pressure. This is a high quality, attractive unit. Shipping Weight 2 lbs. Model No. 6201.

Item No. 71-556-5

**\$14.95**



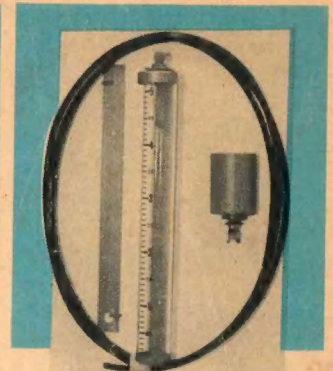
## WIND SPEED INDICATOR Shows wind speed only

Another of the fine new Windscope group of instruments, this unit shows wind speed only. The revolving cup unit is mounted in a suitable outdoor location, which may be as much as 2000 feet away from the indicator. This transmitter determines the velocity of the prevailing wind and passes the information to an indicator which may be placed conveniently indoors, where it is available for inspection day or night.

The system is completely self-contained, with no outside source of power or electrical connection required. The revolving cups generate the energy needed to operate the unit. There are no contacts or brushes to wear. Installation is simple. Model No. 3107. Shpg. wt. 4 lbs.

Item No. 71-291-9

**\$59.95**



## REMOTE READING RAIN GAUGE

Eliminate Guesswork  
about the Weather

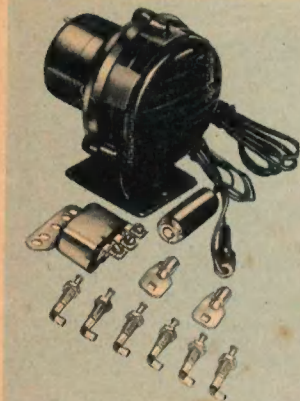
Accurately measures up to 5" of rainfall. Rainfall is collected in the funnel shaped cup and transmitted to the measuring tube where the amount of rain is amplified for easy reading. Comes complete with gold anodized aluminum brackets, 10 ft. of connecting tubing and mounting hardware.

The glass collecting measuring container is easily removed for emptying. Shpg. wt. 2-1/2 lbs.

Item No. 12-233-3

**\$14.95**

## STOP THIEF! BURGLAR ALARM



## Professional Alarm System Prevents Break-In, Pilferage and Damage...for use on any 12 Volt Vehicle

Provides complete burglar protection from front grill to tail lights. Piercing siren instantly blasts when any door, hood or trunk is opened. Siren can be wired to even go off when emergency brake is released! Stays on til reset by the switch of the PICK PROOF lock.

This economical, compact system includes the heavy-duty siren (puts out twice the sound at half regular current) everything included (nothing else to buy) plus easy-to-install instructions.

Siren has 4-1/2" rotor. Comes complete with relay switch unit, 6 alarm activator switches, wire, terminals, screws, fuse, pick proof key lock plus two keys. Model No. 8A33. Shipping Wt. 5-3/4 lbs. Item No. 12-234-1

**\$29.95**

## DECORATIVE WALL PLAQUES



### Navy Wing Plaque

Gold wing mounted on walnut background and framed in black. 34" long and 12" high. Shipping Wt. 6 lbs.

Item No. 11-359-7

**\$12.95**



### Air Force Wings

Air Force Wings mounted on walnut background and framed in black. 23" long and 9" high. Shipping Wt. 6 lbs.

Item No. 11-360-5

**\$10.95**



### Air Observer Plaque

Gold wings with silver circle and anchor mounted on walnut and framed in black. 34" long and 12" high. Shipping Weight 6 lbs.

Item No. 11-361-3

**\$12.95**

## MAGNETO PARTS

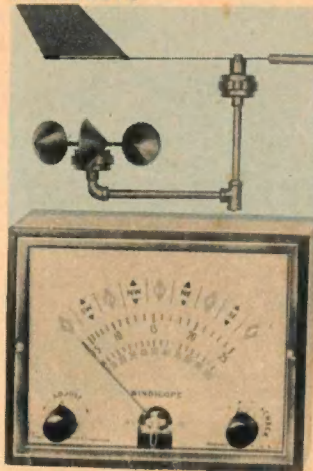


Bosch Magneto end Bracket No. PL52503. Shipping Weight 1 lb.

Item No. 11-287-0

**\$5.00**

## WINDSCOPE



## Wind Speed and Direction Indicator

Read both wind speed and direction, day or night, at the most convenient indoor point. An instrument of maximum utility and interest to any weather enthusiast, and an essential in accurate weather forecasting.

The system is completely self-contained with no outside source of power or electrical connection required. The revolving cups generate their own power for operation of the wind speed unit with no brushes or contacts to wear. A single ordinary flashlight battery powers the direction unit.

The indicating unit is a lovely addition to the finest room. It is 6-3/8" x 5-1/8" x 2-1/4", nicely mahogany finished. It may be used on desk, table or mantel shelf. Wind direction is shown on the large, open scale, clearly and colorfully marked with the major compass points. Wind speed is indicated on one of two scales. 0-25 miles per hour and 0-100 miles per hour.

All parts of which are corrosion resistant, may be located up to 2000 feet away. 60 feet of connection cable is supplied with the instrument. Model No. 3105. Shpg. wt. 10 lbs.

Item No. 71-353-7

**\$99.95**

## THE DWYER WIND METER



The Dwyer WIND METER is a highly accurate wind measuring instrument designed mainly for the pilot, sportsman, hunter and sailor. Pocket size, rugged with lifetime accuracy. Some principle of operation used in engineering instruments.

Air pressure of the wind forces small indicator upward in the flowmeter. It has two scales: 0 to 10 MPH and 0 to 60 MPH. Accuracy on low scale is within 1/2 MPH and on high scale 3 MPH. Tolerance within .002.

Do not let the low price fool you--this is a reliable, practical and precise instrument. Furnished complete with carrying case. Satisfaction guaranteed or your money back. Shpg. wt. 2 lbs.

Item No. 21-043-5

**\$5.95**

AIRCRAFT COMPONENTS, INC.  
BENTON HARBOR, MICH. 49022, U.S.A.

Phone 616 925-8863

Page 9



# Earphones, Weather and Broadcast Radios



## HEADSET WITH MICROPHONE

New style with built-in Volume Control and Dynamic Microphone.

Here is the perfect headset for most executive pilots. Comfortable ear pads cancel background noise and set very comfortably. Double headband keeps phones from sliding out of position. Small boom-type microphone gives excellent transmission quality. Volume Control built-in to headset for comfortable listening. Comes complete with cord and standard microphone-head phone plugs. Standard 600 ohm dynamic headset. Model LTV-300-9. Order Push-To-Talk kit listed in this section for aircraft not so equipped. A recommended best buy!

Item No. 13-015-3

\$4763

## Also available without microphone

Same set as above, less microphone. A recommended best buy!

Item No. 13-018-7.....

\$2967

## INEXPENSIVE PILOT HEADSET



This inexpensive headset gives good quality reception, yet is sturdy enough for student, flight school, passenger or stand-by use. Complete with standard 600 ohm impedance, cord and plug. Model 14-88

Item No.

13-017-9

\$695

## SUPER LIGHTWEIGHT HEADSET



## Weighs only a few Ounces!

This amazing good quality headset is so light and compact, you will hardly know you are wearing it. The connector band is normally worn under the chin and does not interfere with glasses, hat, or instrument flight hood. Comes complete with coiled cord and plug. Standard 600 ohm impedance. Model No. AE-10

Item No. 13-016-1

\$595

## RADIO VIBRATOR



Radio Vibrator Type R-35. 24 volt D.C. input sealed container has four plug-in pins. Measures approx. 1-1/2" diameter, 3-5/8" overall. Shipping Wt. 1-1/2 lbs.

Item No.

12-714-2

\$350

## NEW SOUND BARRIER HEADSET

Designed for aircraft with high noise levels

Sound Barrier with ear phones mounted right in the sound barrier ear cups. Impedance 600 ohms at the transformer plug. Standard PJ054 plug included with matching transformer. 29" wire length from plug to earphone. Shipping Weight 2-1/2 lbs.

Model 263

Item No. 11-937-0

\$5475



## Sound Barrier With Earphones & Microphone

Gives perfect 2-way communication plus full ear protection. Comes complete with 29" cord with PJ-054 connector for earphones and PJ292 plug for microphone. Shipping Weight 2-1/2 lbs.

Item No. 11-938-8

\$9120

## RS-38-A MICROPHONE



Standard aircraft microphone with curly flexible rubber cord and standard three conductor plug. Impedance is 50 - 100 ohms. Output is flat from 200 to 3500 cycles. Meets spec. NAF-21364-6. New Manufacturer. Shipping Weight 2 lbs.

Item No.

12-494-1

\$1750

## AIRCRAFT MICROPHONE



Here is a handy microphone for aircraft and marine radios. Designed for areas with high noise level. Shock resistant, 300/400 cps. frequency response, standard 100 ohm carbon element. Sensitive switch is activated when pressed lightly against upper lip. Complete with 6 feet of cord and standard PL68 plug. Weighs only 14 ozs. Western Electric Model CW-51094. Shipping Weight 2 lbs.

Item No.

12-492-5

\$500



## REGENCY FLIGHT MONITOR RADIO

For the serious aviation enthusiast

Professional quality aircraft VHF receiver for ground use. Receives 108-136MC VHF bands.

Slide rule type dial for easy tuning, built-in 5" speaker, connections for external speaker.

Extremely sensitive with fully tuned radio frequency stage for better image rejection, full 12-MONTH WARRANTY.

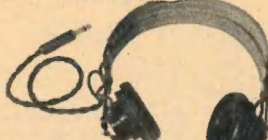
Measures 12" W x 6-1/4" H x 6-3/8" D. Operates on 105-125 volts, 60 cycle AC, 36 watts. Shipping Weight 4-3/4 lbs.

Item No.

11-197-1

\$9995

## HS-33 EARPHONE



This Air Force Type HS-33 headset comes complete with lightweight soft rubber earpads, plug and short cord, double leather headband, and instructions. All metal parts are corrosion-resistant steel, phones are of molded Bakelite. Shipping Wt. 2 lbs.

Item No.

12-498-2

\$1500

## HEAR-GUARDS PROTECT AGAINST NOISE



## Use around jets and high noise areas

Hear-Guard Hearing Protectors give maximum protection at the critical frequencies throughout the frequency range, yet allows workers to hear normal conversations. Voices of others in the immediate vicinity of the wearer are audible. Fits all head shapes. Comfortable foam cushion. Used in aircraft industry, wind tunnels, testing cells, repair and run-up of jet engines, repair and run-up of aircraft. Shipping Weight 2 lbs.

Item No. 21-443-7

\$1300

## EARPHONE HEADBAND

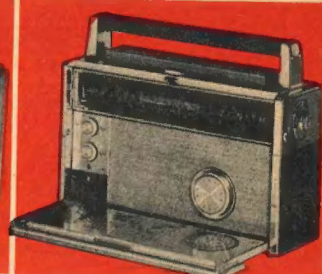


Replacement headband for earphones. Cloth covered dual headstrap with adjustable spring loaded clips for holding receivers. Shipping Weight 2 lbs.

Item No.

12-497-4

\$200



## FAMOUS ZENITH TRANS-OCEANIC PORTABLE

Super-Sensitive Shortwave, Longwave, AM and FM reception. Total 21 Tuned Circuits (11 on FM, 10 on AM) including 21 F. Stages, Super-Sharp Selectivity on All Bands. Separate 3-Gang Tuning with Tuning RF on AM/SW/LW and FM. Handcrafted Metal Chassis...No Production Shortcuts.

88 to 108 mcs - FM Broadcast Band 150 to 400 kcs - FAA Weather Navigation 540 to 1600 kcs - Standard Broadcast

Cabinet is made of sturdy metal and genuine black leather.

In brilliant Roman Gold finished trim. Size: 10-1/4" high (including handle) x 12-1/2" wide x 4-7/8" deep. Model 3000-1. Shipping Weight 13 lbs. Item No. 12-712-6

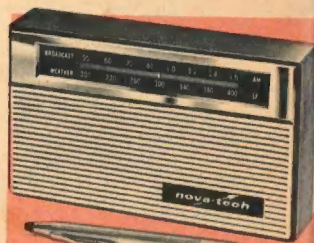
Mfrs.

List \$199.95

Net

Price

\$16900



## 2 Band portable Weather and Broadcast Receiver

WEATHER/BEACON BAND (200-400 KC.) Get immediate weather information wherever you go. Monitor around-the-clock weather reports for 200 miles around. Get storm warnings, visibility, winds, cloud conditions, PIREPS, up-to-the-minute forecasts.

BROADCAST BAND. Enjoy standard A.M. radio programs, news broadcasts, music and sports on the same compact receiver. The "Weatheradio" will provide many delightful hours of listening for the entire family.

Complete with batteries, miniature earphone, and carrying case. Weighs just 12 ounces, measures 5-1/2 x 3-1/2 x 1-5/8. Easily fits any coat pocket, carry it with you wherever you go. Eight transistor circuit and heavy duty speaker provide sensitive reception and full, rich sound.

Item No.

13-019-5

\$1750

## EARPHONE ADAPTER



If your radio receiver requires a high impedance headset, plug the MC-385 adapter on the end of your HS-33, HS-38 or other standard low impedance headsets to get proper operation. Has plug on one end and receptacle on other end. Only 2" long. Shipping Wt. 1-1/2 lbs.

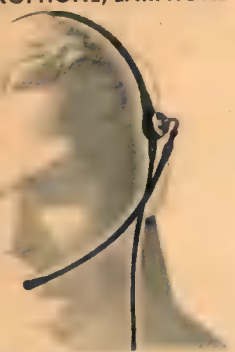
Item No. 12-496-6

\$250



# Microphones & Headsets for the Pilot

## TELEX COMBINATION MICROPHONE/EARPHONE



Featherweight model provides superb performance in both transmit and receive functions. The acoustical tube microphone is designed for close talking; virtually eliminates ambient noise pick-up. Sound is provided to one ear with swing-away receiver tube to allow com channel monitoring or cabin conversation. So comfortable you easily forget you are wearing it. Order PT-101A Push-To-Talk kit below for aircraft not so equipped. Model 5 BY 5 LS. Item No. 12-860-3 **\$799.5**

## TELEX MICROPHONE

Acoustical microphone only. Same as above except does not include headphone. Order PT-101A Push-To-Talk kit below for aircraft not so equipped. Model 5 BY 5 LS. Item No. 12-861-1 **\$72.50**

## TELEX COMBINATION HEADPHONE/MICROPHONE



Modestly priced headphone features dual receivers feeding sound directly to ear canals. Swing-away acoustical tubes allow maximum flexibility. Rugged, noise cancelling carbon microphone is boom mounted. Engineered for dependable, professional performance and hours of comfortable use. Order PT-101A Push-To-Talk kit below for aircraft not so equipped. Model BCW-10. Item No. 12-863-7 **\$539.5**

## PUSH-TO-TALK KIT



Universal Push-To-Talk kit mounts to control wheel for ultimate pilot convenience. Allows complete hands-free communications when used with any Telex headset combination above. Model PT-101A. Item No. 11-609-5 **\$149.5**

## TELEX COMBINATION MICROPHONE/EARPHONE



Low-cost headset for high noise environments, features deep cavity, dual cup headphones with comfortable soft foam rubber ear cushions and adjustable headband. Noise cancelling carbon boom microphone provides excellent performance reliability. Expressly designed for use in helicopters, spray planes, open cockpit planes and other environments with severe noise problems. Order PT-101A Push-To-Talk kit below for aircraft not so equipped. Model MRB-46A. Item No. 12-862-9 **\$435.0**

## TELEX HEADSET



Deluxe Dual Circumaural Headphone - equipped with very soft foam rubber ear cushion. Ideally suited for extreme high noise environment and user comfort for unusually long periods of time. Our finest dual headphones. Model MR-6. Item No. 12-867-8 **\$265.0**

## TELEX HEADSET



New low-cost headphone - lightweight, rugged design. Delivers excellent performance. Ideally suited for daily use as well as back-up system for cabin speaker. Model A610-1. FAA Approved. Item No. 12-866-0 **\$149.5**

## TELEX EARSET



Pilot's Earset - ideally suited for multi-member crew situation where master volume control provides same audio level to all crew members. In-line volume control provides 10 db range for individual volume adjustment. Supplied with three (large, medium and small) ear molds. Excellent performance from a most comfortable and lightweight earset. Specify left or right ear molds when ordering. Left ear mold - Model PEM-77L. FAA Approved Item No. 12-864-5 **\$205.0**

Right ear mold - Model PEM-77R. Item No. 12-865-2 **\$205.0**

## LIGHTWEIGHT TWINSET



F.A.A. Certificate No. CAATC-3R2-1D Telex Twinset in the new lightweight headset used by most airline and private pilots because of its very lightweight (only 2 ozs.) and very high fidelity sound reproduction. Unit is fully FAA approved and comes complete with 5 foot cord, plastic carrying case. Standard 500 ohm impedance matches all radios. Fully guaranteed. With instructions. Shipping Weight 2 lbs. Telex Model HTW-2. Item No. 12-427-1 **\$215.0**

## THROAT MICROPHONE



Pilots microphone fits around your throat, has an adjustable band. It leaves your hands free for flying. Complete with hand switch, 7 foot cord and standard PL-68 plug. Western Electric Model T-30-Q. Fits all aircraft radios. Shipping Weight 2 lbs. Item No. 12-493-3 **\$500.0**

## HAND MICROPHONE



Popular Air Force Model T-17 Carbon Microphone, has side button, five foot cord with a standard PL-68 cord. This microphone fits all aircraft radios. Shipping Weight 2 lbs. Item No. 12-495-8 **\$175.0**

## NEW LIGHTWEIGHT MICROPHONE



## FAA Approved Aircraft Microphone With Special Noise Cancelling Design

This brand new Telex Microphone for aircraft has a special noise cancelling design. Weighs only 8 ozs. Convenient push-to-talk switch is operated by thumb. Meets military specifications for aircraft, mobile, ham and other uses. Excellent frequency response of approximately 100 to 4500 cycles. Complete with 5'6" coiled cord and standard microphone plug. Brand new design, Telex Model 66C. Shipping Weight 2 lbs. Item No. 12-425-5 **\$299.5**

## TRANSISTORIZED VERSION for HIGHER FIDELITY and SENSITIVITY

The Telex Microphone is also available with a transistorized amplifier built into the microphone. This gives higher output and stability. Interchangeable in use with the above microphone. Telex Model 66T. Shipping Weight 2 lbs. FAA Approved. Item No. 12-426-3 **\$449.5**

## ELECTRO-VOICE NOISE CANCELLING MICROPHONE



## FAA Approved - Designed For Aircraft Use

Manufactured especially for aircraft use by Electro-Voice, world's largest supplier of military and civilian microphones. Close talking, differential noise-cancelling design provides high intelligibility under extreme ambient noise conditions. Dependable, high-output carbon element is standard 100 ohm impedance for all aircraft radios.

High impact black Phenolic case is blast-proof, waterproof and virtually indestructible. FAA Approved, Certificate No. 1040. Response: 100 to 4,000 cps.

Supplied complete with mounting bracket, coiled cord 5' extended, 11" retracted PJ-068 plug. Size: 2-1/4" wide x 4" high x 2" diameter. Net Weight 12 ozs. Electro-Voice Model 205 STCKKP. Shipping Weight 2 lbs. Item No. 11-082-5 LIST PRICE: \$57.50

NET PRICE: **\$328.5**



# New! Hallicrafters 5 BAND Portable Radio with Direction Finder

**DESIGNED FOR PILOTS! Receives Weather, Broadcast, Marine, Amateur, Short Wave and VHF Aircraft Communications.**

Rotatable antenna on top of case with compass rose. Tunes sharp "nulls" of known stations permitting cross-bearing fixes. The truly versatile radio offering superb overall performance and flexibility. By the famous Hallicrafters Company.

## General Features

1. All solid state—12 transistors and 5 diodes.
2. Exclusive top-mounted rose-bearing compass indicator.
3. Separate rotating ferrite rod antenna for longwave, AM and marine frequencies.
4. Adjustable sensitivity control for direction finder.
5. Selective and sensitive super heterodyne receiver.
6. Dial light—permits nighttime operation.
7. Battery indicator meter.
8. Combination signal strength and direction finder meter.
9. Automatic gain control.
10. Tone control switch.
11. Full-scale, large, easy to read dial scale.

12. Fine tuning control for electrical band spread.
13. Telescoping antenna for VHF bands.
14. Uses four standard flashlight cells.
15. Large front mounted speaker for fortified sound characteristics.
16. Efficient Class B push-pull amplifier.
17. Earphone jack for private listening.
18. External AC power jack for use with adapter.
19. Handsomely styled case in black and chrome.

## 5 Bands

- 540-1600 KHz band—standard broadcast stations.
- 185-400 KHz longwave band—long range FAA and Canadian weather.
- 2.0-5.2 MHz band—marine, amateur and time signal broadcast.
- 5.2-15.5 MHz band—international shortwave, amateur, military.
- 108-135 MHz VHF band—aircraft communications and navigation.

Hallicrafters "Air-Sea" Model CR-50  
Item No. 12-720-9 **\$99.95**



## Famous Nova-Tech Radios and Direction Finders



### Available in 2 Models

#### PILOT II RADIO

This four-band model includes the 108-136MC general aviation band. Serves as a reliable stand-by VHF aircraft receiver and portable RDF when carried in a light plane.

Pilot II is especially useful to the boat owner who also flies. Provides coverage and navigation for both activities. Sensitive circuit employs 12 transistors, tuned four stage narrow band IF and tuned RF.

- VHF Aviation (108-136 MC)
- Weather (190-400 KC)
- Marine (1.5-4.5 MC)
- Broadcast (550-1600 KC)

Comes complete with rotatable antenna, signal strength meter, squelch control, optional mounting bracket, leather carrying case, batteries, and 110 volt house current adapter. List price: \$129.95.

Page 12 Item No. 12-815-7 SALE PRICE **\$99.50**

#### POLICE ACTION RADIO

Only portable marine RDF with both marine bands.

In addition to full marine coverage and the accurate built in navigation features, Action also tunes the high and low police bands.

- Police/Business (30-50 MC)
- High Band Police (150-175 MC)
- Weather (190-400 KC)
- Marine (1.5-4.5 MC)
- Broadcast (550-1600 KC)

Comes complete with rotatable antenna, signal strength meter, squelch control, optional mounting bracket, leather carrying case, batteries, and 110 volt house current adapter. List price: \$129.95.

Item No. 12-814-0 SALE PRICE **\$99.50**

## The Pilot's Choice—Skywatch



**SKYWATCH "PRO"**  
VHF 108-130 MC  
LF 200-400 KC:  
FM 88-108 MC

Designed for the active pilot the "Pro" provides NAV-COM, Weather, and superb FM reception. May be used as a back-up emergency receiver in the aircraft. Features pin-point tuning, high sensitivity, LF loop homing, and AC power jack. Complete with earphone and battery in styrofoam gift box.

Item No. 12-888-4

**\$29.95**

**SKYWATCH "SPORTER"**  
VHF 108-130 MC  
AM 540-1600 KC:  
FM 88-108 MC

Training and entertainment are combined in the "Sporter". Enjoy clear VHF and FM reception in one continuous band or flip the band switch for long distance AM.

Features VHF reception to 100 miles, dial logging scale, AM loop homing, and AC power jack. Complete with earphone and battery.

Item No. 12-256-4

**\$29.95**



#### AC ADAPTER

The practical battery saving accessory for both the Sporter or Pro models. Allow use of radio directly from 117 Volt AC household wall outlet.

Item No. 12-889-2

**\$3.95**







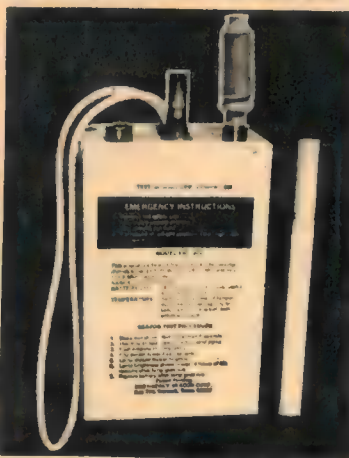
**Before you buy Radio Equipment, Compare my Prices  
I don't think you can get a Better Deal Anywhere!**

**Phone 'Clint Raines' Area Code 616 - 925-8861**

**I'll give you your best Cash  
Discount Prices right over the Phone!  
You could SAVE HUNDREDS OF DOLLARS!**



**New!  
DOWNED AIRCRAFT EMERGENCY BEACON**



**Transmits the International Distress Signal  
on both military 243.0 Mhz and  
civil 121.5 Mhz frequencies!**

Beacon transmits the international distress signal simultaneously on 121.5 and 243.0 MHz with a powerful 100 Mw of power. Battery life is 60 hours at 50°F, 24 hours at 25°F, 15 hours at -4°F. A built-in test light indicates proper operation and battery level. A safety cap prevents accidental activation. Beacon is waterproof, shock-resistant, and weighs only 10 ounces. Battery included.

Item No. 13-023-7

**\$79<sup>95</sup>**

Model EB 202 a high power version of EB 102 described above. Though the same size, higher power (250 Mw) and longer range (up to 250 miles under favorable conditions) make this beacon ideal for flights over remote or extremely mountainous terrain. All other electrical characteristics are the same except battery life, which is slightly shorter, 48 hours vs. 60 hours. Exceeds TSO specifications.

Item No. 13-024-5

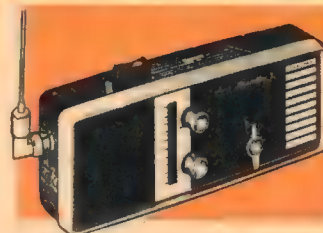
**\$135<sup>00</sup>**

**Mounting Bracket**

Now available, a specially designed bracket that permits mounting the EB 102, EB 202 or MBT 600 in a convenient location in your aircraft cabin. Beacon can be removed from the bracket in less than 1 second in emergencies.

Item No. 13-025-2

**\$14<sup>95</sup>**



**PORTABLE VHF AIRCRAFT  
TRANSMITTER AND RECEIVER**

This unit does everything a built-in aviation radio will do. It's a sophisticated aviation system that includes a turnable receiver (118 to 127 MC), a 10-channel, crystal-controlled transmitter, a speaker microphone and a dipole antenna.

Completely transistorized (16 transistors and 9 diodes)

Extremely compact (8-9/16" x 3-5/16" x 1-13/16") Small enough to tuck in pocket... or stick it away somewhere in the cockpit.

Model 601-VHF turnable receiver with one crystal for 121.5 MC transmit, dipole antenna and power cord to plug into any 12 volt cigarette lighter outlet. Shipping Wt. 3 lbs.

Item No. 11-198-9

**\$199<sup>00</sup>**

Same radio with rechargeable NICAD battery.

Item No. 12-655-7

**\$223<sup>00</sup>**

5 channels transmit (121.5 MC, 121.9, 122.1, 122.5, 122.8), dipole antenna, 12 volt power cord.

Item No. 12-617-7

**\$231<sup>00</sup>**

Same radio with rechargeable NICAD battery.

Item No. 12-656-5

**\$255<sup>00</sup>**

10 channel transmit (121.5, 122.5, 122.7, 122.1, 123.6, 121.7, 121.9, 122.8, 123.0, 122.9 MC), dipole antenna and 12 volt power cord.

Item No. 12-618-5

**\$267<sup>00</sup>**

Same radio with rechargeable NICAD battery.

Item No. 12-657-3

**\$291<sup>00</sup>**

117 V Power Supply--to charge battery and also to operate set as a base station.

Item No. 12-659-9

**\$30<sup>00</sup>**



**PORTABLE AVIATION  
INFORMATION CENTER**

Now you can monitor all the essential aircraft frequencies when and where you wish with Hallicrafter's exclusive new CRX-101 Solid State Pocket Receiver. This new professional-quality device lets you listen to commercial business and private aircraft taking off, landing and in flight... tower transmissions... instrument landing systems... Unicom and Omrange. The tuneable, superheterodyne receiver features a radio frequency stage for high sensitivity. with Battery. Shipping weight 2 lbs. Model CRX-101

Item No. 12-446-1

**\$39<sup>95</sup>**



**AIRCRAFT BATTERY  
POWERED TRANSCIVER**

**Skyway SX-15 Transceiver  
has 11 Transmitting Channels  
and Tuneable Receiver  
covering 108-136MH**

The new Skyway SX-15 makes an excellent transceiver for use in light aircraft without electrical systems, or as a stand-by transceiver for fully equipped aircraft.

The 11 transmit channels are "121.5, 121.7, 121.9, 122.1, 122.2, 122.5, 122.6, 122.7, 122.8, 122.9, and 123.0. The 10 transistor superheterodyne receiver is continuous tuning with vernier dial markings every megahertz.

Receiver earphone power is 100 milliwatts. Transmitter output is one quarter watt nominal. Transmitter is FCC type accepted, receiver complies with Part 15, FCC Regs.

Operates from any 12 volt battery with current drain of 200 ma transmitting, 40 ma receiving. Unit weighs only 3 lbs. Measures 6-1/4" w x 3-1/2" h x 10" d. The Skyway SX-15 receiver is fully guaranteed, for both parts and labor, for one year after purchase. To save shipping charges, batteries are not included.

Item No. 13-012-0

**\$249<sup>95</sup>**



**DUAL-PURPOSE SUN GLASSES  
New Type Yellow for Hazy  
Days and Neutral Gray  
for High Intensity Sunlight!**

The Yellow: Has the ability to brighten and sharply define outline. This is an asset on dull, overcast days, or during the twilight hours. It is particularly good in defining cloud, obstruction and runway outlines.

The Neutral Gray: Does not distort color as much as the average green sun goggle does. This is an asset to pilots watching cloud formations and changing weather signs. It also tends to be more relaxing.

Now...Both for the unit price of only

Item No. 11-862-0

**\$5<sup>95</sup>**

**Page 13**



# All New Aircraft Antennas

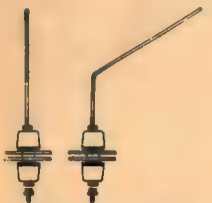
## WHIP ANTENNA



118mc-127mc, straight mast, stainless steel, shock mounted, transmits and receives VHF-2A Antenna. Shipping Weight 1-1/2 lbs. Item No. 11-970-1 **\$1500**

118mc-127mc, 45 degree bend, stainless steel, shock mounted, transmits and receives VHF-2 Whip Antenna. Shipping Weight 1-1/2 lbs. Item No. 11-969-3 **\$1500**

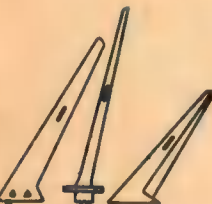
118mc-127mc, 90 degree bend, stainless steel, shock mounted, transmits and receives VHF-2B Antenna. Shipping Weight 1-1/2 lbs. Item No. 11-971-9 **\$1500**



Stainless steel, straight mast, 118mc-127mc, transmits and receives, VHF-1A Whip Antenna. Shipping Wt. 1 lb. Item No. 12-695-3 **\$495**

Stainless steel, 45 degree bend, 118mc-127mc, transmits and receives. VHF-1 Whip Antenna. Shipping Wt. 1 lb. Item No. 12-688-8 **\$495**

Stainless steel, 90 degree bend, 118mc-127mc, transmits and receives. VHF-1B Whip Antenna. Shipping Wt. 1 lb. Item No. 12-689-6 **\$495**



**BROAD BAND ANTENNA**  
118mc-136mc, OEM type, 20" high, foam filled plastic, transmits and receives, BB-11 Broad Band Antenna. Shipping Weight 2-1/2 lbs. Item No. 11-973-5 **\$3375**

Epoxy coated plastic, 30 degree sweepback, 118mc-136mc, 20" high, transmits and receives. BB-9 Broad Band Antenna. Shipping Wt. 2 lbs. Item No. 12-690-4 **\$3375**

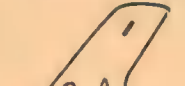
118mc, 136mc, Epoxy coated, foam filled plastic, 13" high, transmits and receives, BB-13 Broad Band Antenna. Shipping Weight 2 lbs. Item No. 11-975-0 **\$5250**

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## NAV. COMM.



Nav. Omni-Local. Red., Foam filled plastic, Epoxy coated, 11" high, Comm. Transmit & Rec., BB-14 Nav. Comm. Antenna. Shipping Weight 4 lbs. Item No. 11-976-8 **\$15000**



**BROAD BAND ANTENNA**  
118mc-136mc, low drag, foam filled plastic, 12" high, transmits and receives, BB-12 Broad Band Antenna. Shipping Weight 2 lbs. Item No. 11-974-3 **\$6600**



**TWIN OMNI ANTENNA**  
Stainless Steel masts, phenolic insulator, two 30 foot Co-Ax leadins, no couplers required for two omni systems, OD-R Twin Omni Antenna. Shipping Weight 3-1/2 lbs. Item No. 11-982-6 **\$4050**

Stainless steel masts, phenolic insulator, two independent systems, no couplers required, two 30 foot Co-Ax leadins, OD-X Twin Omni Antenna. Shipping Weight 3-1/2 lbs. Item No. 11-983-4 **\$4050**



Stainless steel masts, fin or body mount, phenolic insulator, 30 feet co-ax included, receiving 108mc-127mc, OD-2 Omni Antenna. Shipping Weight 2 lbs. Item No. 12-694-6 **\$2025**

Stainless steel masts, fin or body mount, phenolic insulator, 30 feet co-ax included, Omni-Localizer receiving, 108mc-127mc, OD-1 Omni Antenna. Shipping Wt. 2 lbs. Item No. 12-693-8 **\$2025**

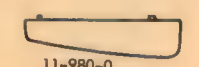


**GLIDE SLOPE ANTENNA**  
Epoxy coated plastic, 2" pedestal mount, 9" V arms, receive only, 329mc-335mc, ice resistant, BB-20 Glide Slope Antenna. Shipping Weight 4 lbs. Item No. 12-692-0 **\$4125**

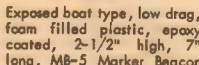
## MARKER BEACONS



Stainless steel Marker Beacon Antenna with phenolic stand off 6" high. Model MB-3. Shipping Weight 1-1/2 lbs. Item No. 12-687-0 **\$1250**



Exposed boat type, low drag, foam filled plastic, epoxy coated, 2-1/2" high, 7" long, MB-5 Marker Beacon Antenna. Shipping Weight 1-1/2 lbs. Item No. 11-980-0 **\$3375**



Flush mounted zero drag, foam filled, Epoxy coated face, 75mc receiving only, aluminum body, MB-6 Marker Beacon Antenna. Shipping Weight 2 lbs. Item No. 11-981-8 **\$4500**



**DME TRANSPONDER**  
Blade Shaped, black epoxy finish, ice resistant, transmits and receives, #808 DME-Transponder Antenna. Shipping Weight 2 lbs. Item No. 12-691-2 **\$3000**



**ADF SENSE ANTENNAS**  
ADF Sense Antenna—Anti-precipitation static. For use on all aircraft (except Mooney). Includes 20 feet of cable, feed-through insulator and tension spring assembly. Model AD7-20. Shipping Weight 3 lbs. Item No. 12-358-8 **\$3695**

Special model for Mooney aircraft. Shipping Weight 1-1/2 lbs. Model No. AD-2 Item No. 12-359-6 **\$3350**



**ANTENNA TENSION SPRINGS**  
Tension springs supply tension for fixed antennas. Rubber Type. Shipping Weight 1 lb. Item No. 12-697-9 **\$350**

## LIGHTWEIGHT EARPHONE AND MICROPHONE

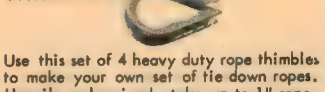


Miniature Microphone/Receiver headset including headband. If pilot wears glasses, transducer capsule can be clipped to frame, further reducing weight. Sound travels from transducer through a second plastic tube to ear piece selected by pilot from one of 6 sizes furnished with each set. Eliminates headaches from heavy, clumsy earphones.

Push-to-talk switch furnished with each set, easily mounted on aircraft control yoke, within instant reach of pilot's thumb. Both hands can stay on controls throughout transmission. In-line amplifier with coiled cord readily attaches to communication unit anywhere in cockpit. Shipping Wt. 1 lb.

Item No. 11-707-7 **\$9890**

## THIMBLES



Use this set of 4 heavy duty rope thimbles to make your own set of tie down ropes. Heavily galvanized, take up to 1" rope. Center hole is 1-3/8" diameter. Shipping Weight 1-1/2 lbs. Item No. 61-344-8 **\$100**



**VHF AIRCRAFT ANTENNA**  
VHF Aircraft Antenna. 118-136 MC/S. Special Air Foil type base for use on general aviation type aircraft. Fiberglass Rod. No cutting necessary. Accepts standard BNC type connector. Cable not included. Model AD-1. Shipping Weight 1-1/2 lbs. Item No. 12-357-0 **\$3000**



**EARPHONE EXTENSION CORDS**  
Flexible rubber covered extension cords have receptacle JK-26 which accepts standard earphone plug on one end and PL-55 plug on other end to plug into radio. Available in 2 lengths.

Item No. Length  
12-776-1 8' cord. **\$500**  
12-777-9 10' cord.

## SKAT KITTY, ULTRA SMALL SCOOTER



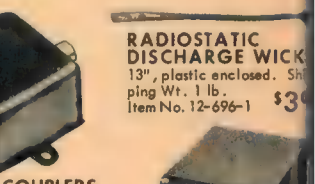
**For Flyers, Sailors, Sportsmen, Newest Design for Portable Use**

SKAT KITTY is the newest design in two wheel cycles for portable use. Very high quality construction. Approx. 20" high over the seat and only 36" long. Top speed about 25 MPH. Front fender protects driver from mud and slush. Riding quality is excellent because of the large pneumatic type tires. Handles fold for easier storage.

Equipped with 2-1/2 hp. Tecumseh engine with built in 12 volt alternator; one-piece cast aluminum frame and fenders; 11 x 4.0 x 5 Goodyear Terra tires with five inch steel wheels; 2-quart gas tank; disc brakes and double sealed beam headlight. Very high quality construction.

This unit is intended for portable use in aircraft, boats, sporting and general purposes. Also works fine for car parking rentals, etc. This is a well made machine, nicely styled, and quite practical. Shipped ready for use. Complete as shown.

Item No. 21-431-2 **\$2590**



**RADIOSTATIC DISCHARGE WICK**  
13", plastic enclosed. Shipping Wt. 1 lb. Item No. 12-696-1 **\$300**



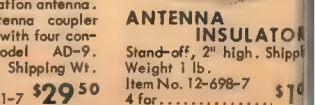
## ANTENNA COUPLERS Use One Antenna for Two Radios

This antenna coupler allows you to use two different Omni receivers with a single Omni antenna. No installation required—just plug your receivers into the compact 2" x 2" x 1-1/2" unit. Operates on all frequencies from 108-136 MCS.

Model to fit ARC, Bendix, King Omnis. Model AD-5. Shipping Wt. 2 lbs. Item No. 12-360-4 **\$2075**  
Model to fit all Narco Omnis. Model AD-6. Shipping Wt. 2 lbs. Item No. 12-361-2 **\$1855**

## Eliminates Glide Slope Antenna

Combination antenna coupler allows you to connect two different Omni receivers and glide slope receiver using existing navigation antenna. Similar to antenna coupler above except with four connections. Model AD-9. Weights 6 oz. Shipping Wt. 2 lbs. Item No. 12-721-7 **\$2950**



**ANTENNA INSULATOR**  
Stand-off, 2" high. Shipping Weight 1 lb. Item No. 12-698-7 **\$100**  
4 for.....



# Emergency Over Water Life Saving Equipment



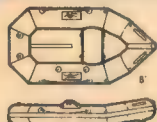
## INFLATABLE RUBBER BOATS

For pleasure boating, bush pilots, yacht tender, or emergency life raft.

Avon Inflatable Boats are world recognized for their high quality. Unlike most life rafts, these inflatables are completely maneuverable with oars or outboard motor. Completely portable, can be stowed in a very small space and can be launched or lifted from the water by one person easily.

Available in four different sizes from 2 to 7 persons. Will hold more, in an emergency.

Standard equipment includes heavy-duty large capacity inflation foot bellows, repair kit and carrying duffel bag. Oars and motor brackets are not included, but are available as accessories. Also, CO2 quick inflation is available as an accessory.



### "Redstart" For 2-3 Persons

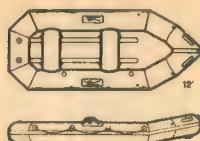
8 foot Inflatable Raft-Boat for 2-3 Persons. Safe and easy to handle with oars or outboard up to 3 H.P. Stows in duffel bag 33 in. x 18 in. and weighs approximately 33 lbs. 4 foot wide. Inflated buoyancy 860 lbs. Item No. 13-005-4.....

**\$260.00**

### "Redcrest" For 4-5 Persons

9 foot Inflatable Raft-Boat for 4-5 Persons. Safe and easy to handle with oars or outboard up to 3 H.P. Stows in duffel bag 40 in. x 18 in. and weighs approximately 40 lbs. 4 foot 4 in. wide. Inflated buoyancy 1,090 lbs. Item No. 13-006-2.....

**\$296.00**



### "Redseal" For 5-6 Persons

10 foot Inflatable Raft-Boat for 5-6 Persons. Hi-stability factor, easy handling with oars or outboard up to 4 H.P. Stows in duffel bag 40 in. x 20 in. and weighs approximately 45 lbs. inflated. 4 foot 8 in. wide. Inflated buoyancy 1230 lbs. Item No. 13-007-0.....

**\$345.00**

### "Redshank" For 6-7 Persons

12 foot Inflatable Raft-Boat for 6-7 Persons. Ideally suited for utility work and hunting expeditions. Safe-easy handling with oars or outboard up to 5 H.P. Stows in duffel bag 43 in. x 20 in. and weighs approximately 52 lbs. Inflated buoyancy 1700 lbs. Item No. 12-997-3.....

**\$395.00**

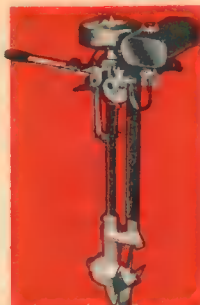
### Optional Equipment

Jointed Oars - 6 Foot Item No. 12-998-1 Per Pair.....  
Outboard Motor Bracket Item No. 12-999-9.....  
CO2 Quick Inflation System (for emergency use) Item No. 13-000-5

**\$20.00**

**\$27.00**

**\$47.00**



## LIGHTWEIGHT MOTOR

Use With Inflatable Rubber Boats  
Seagulls are unique among outboards. We believe they are the finest small motors built today. Their power heads are geared down to drive impressively large 4 bladed propellers, slow-revving, geared to the water like a tugboat's.

Built for Saltwater use day in, day out, all year long, with no coddling and a bare minimum of attention.

3 H.P. rating, for boats up to 800 lbs. displacement. 10/25 reduction gear ratio, huge 4 blade 9" prop, compound pitch, solid brass integral gas tank, all salt water resistant materials, super lightweight—only 28 lbs! Model Seagull Forty Plus Item No. 13-032-8

**\$140.00**



## LIFE RAFTS The Avon Line of Inflatable Life Rafts is recognized throughout the world

With two buoyancy chambers, self-erecting canopy arch and conspicuous blaze orange beacons, paddles, inflating bellows, baler, repair kit, instructions and code of rescue signals. The canopy closes easily to give complete protection in bad weather.

### Launched and fully inflated in 30-40 seconds.

For operation, the packed raft is thrown overboard and a pull on the lanyard operates the CO2 mechanism which automatically inflates the life raft in 30 to 40 seconds. A pressure relief valve insures that it is never over-inflated.

**Four Person**  
4 Person Size, measures 13" diam. x 23" long in valise. 42 lbs. Item No. 13-008-8.....

**\$535.00**

**Six Person**  
6 Person Size, 13" diam. x 25" long in valise. 55 lbs. Item No. 13-009-6.....

**\$585.00**

**Eight Person**  
8 Person Size, 15" diam. x 28" long in valise. 80 lbs. Item No. 13-010-4.....

**\$685.00**

### FIRST-AID KIT

We recommend buying a special accessory kit containing first-aid outfit, canned fresh water, signalling torch, sea anchor, parachute distress signals and hand flares. Item No. 13-001-2.....

**\$25.00**



## EMERGENCY PARACHUTE LANDING FLARES

The International 37mm Kit is designed to provide private plane operators with the protection of emergency night landing with flares. It combines lightweight with low cost. The container is made of sturdy vulcanized fibre that will stand much usage without denting or marring. It contains five 1-minute Parachute Flares and a 37mm pistol. The entire unit loaded weighs only 11 lbs.

Approved by FAA for night operation in planes up to 3500 lbs. gross weight. Model C-37-F5.

Item No. 61-577-3

**\$199.00**

Special 37mm White one-minute parachute flare for in-the-air use. Model P37PF. Item No. 11-192-2

**\$36.00**

### Extra Flares

37mm Meteor Flare Signals (without parachute) to fit the 37mm Signal Gun - Item 61-577-3.

Red 12-878-5 White 12-880-1  
Yellow 12-879-3 Green 12-881-9

**\$4.80**

37mm Parachute Signal Types available in 4 colors to fit the 37mm Signal Gun - Item 61-577-3.

Red 12-882-7 White 12-884-3  
Yellow 12-883-5 Green 12-885-0

**\$13.80**



## AIR FORCE TYPE EMERGENCY FLARE SIGNAL GUN

### Penguin Pocket Size Kit with 7 Brilliant Flares

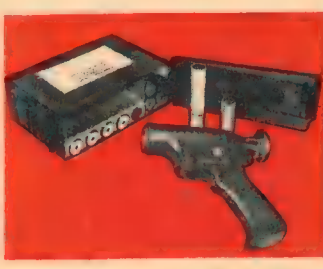
This new pen size Lifesaver Kit fires a brilliant flare to an altitude of 350 to 450 feet, which is tested visible for a 60 mile radius or a 11,310 square mile area.



The Lifesaver Kit is being supplied to the U.S. Armed Forces. Lightweight and compact, the launcher and spare flares are easily carried. The flare burning time is 7-10 sec. and red flare is rated at 6,000 to 8,000 lux. candle power, operates perfectly in temp. as low as -60° Fahrenheit. Complete kit includes hand-held launcher measuring 4" long, 1/2" in diameter and weighs 1-1/4 oz. Also included are seven flares 1-1/4" long, 4/8" in diameter that weigh 1/4 oz. each.

Shipped via Air Express or Railway Express only. Shipping Weight 3 lbs. Item No. 21-409-8

**\$199.5**



## MARINE & AVIATION EMERGENCY FLARES For Over Water and Isolated Areas

This new Kilgore International 22 mm. Flare-Signal Kit provides a compact and easy to use signaling unit for either marine or aviation use. The kit contains pistol, 5 parachute flare-signals and 5 meteor flare-signals - all securely packed in an all metal container with collapsible handle and waterproof rubber gasket seal. Contents are in easy to open flip-top box. Measures 1" x 7-1/4" x 3-3/4". Actual tests have shown visibility up to 20 miles. Weighs 7-1/2 lbs. Item No. 61-579-9

**\$50.00**

### Extra Flares

Parachute Signal Types available in 4 colors to fit the 25mm Signal Gun - Item 61-579-9.

Red 12-870-2 White 12-872-8  
Yellow 12-871-0 Green 12-873-6

**\$7.50**

25mm Meteor Flare Signals (without parachute) to fit the 25mm Signal Gun - Item 61-579-9.

Red 12-874-4 White 12-876-9  
Yellow 12-875-1 Green 12-877-7

**\$7.30**

## SMOKE AND FLARE DISTRESS SIGNALS U.S. Navy and Coast Guard Approved

This hand-held Smoke and Flare Emergency Signal is self-contained in one compact water-tight container ready for instant use day or night.

For day time use, pull ring on one end ejecting a dense cloud of highly visible orange smoke visible for miles. For night time use, the other end burns a brilliant red flare visible for many miles.

Complete kit contains 8 signals, 4 orange day smoke, plus 4 night flares. Each signal measures 5" by 1-5/8" in diameter. To ignite, simply pull ring. Shipping Weight 2 lbs. Item No. 11-189-8

**\$34.50**

### PUSH BUTTON SWITCH

Push Button Switch, normally open, makes contact while button is held down. Square D Co., Class 9390. Rated at 15 amps, fits 11/16" hole, has two screw terminals, 1-1/2" long. Shipping Weight 1 lb. Item No. 81-623-1



**\$2.00**



# Overwater Emergency Equipment



## INFLATABLE LIFE JACKET

**Self-Inflating, FAA Approved**  
New Production FAA Approved Self-Inflating Life Vests. Conforms with FAA SPEC. TSO-C72, for use in aircraft operating over water not farther than 50 miles from land. Single compartment type. Container and vest, together, weigh only 10 ozs. Fabric is neoprene coated nylon with bright yellow color. Type AV-5.

Item No. 13-002-9 **\$13.00**

Airline Type Inflatable Life Vest for use on trans-oceanic, company and private use. This model has 2 separate air compartments. Made of neoprene coated nylon, with brilliant orange color. Type AV-4.

Item No. 21-372-8 **\$24.50**

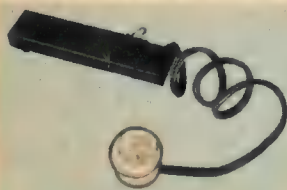
## PERSONAL RESCUEFLASH



Tiny xenon strobe light to be carried in a pocket. Used by downed U.S. Navy and Air Force pilots. Its dazzling flash puts out 200,000 peak lumens, penetrates fog and waves, can be seen 10 to 15 miles from 1500 ft. altitude. Entire unit is waterproof, will operate totally submerged. Designed to withstand heavy impact and shock. Flash- es continuously 9 hours. Mercury battery can be changed underwater. Has 5-year shelf life. Shipping weight: 8 ozs. Model 4-F. Includes Batteries.

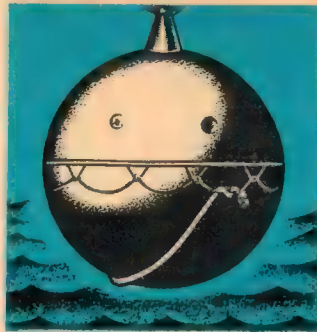
Item No. 12-421-4 **\$29.95**

## WATER-ACTIVATED RESCUELITE



Small, lightweight rescue light for use on life jackets and rafts. Silver chloride-magnesium battery is automatically activated by fresh or salt water. Steady white light can be seen 2 miles in any direction. Light assembly is fully protected against water and moisture. It attaches easily and permanently to life jacket or raft. 8-hour battery is quickly replaceable, has indefinite shelf life as long as pull-out plugs are intact. This light exceeds the FAA's TSO-85 standard, and is required equipment aboard commercial airlines. Shipping weight: 1-3/4 oz. Model L-8-1. Includes Battery.

Item No. 12-422-2 **\$9.75**



## EMERGENCY DRINKING WATER STILL

### Sun Operated Still Makes Drinking Water from Ocean Salt Water

This Emergency Sea Water Still will make over one quart of fresh water a day. Used by Air Force for emergency equipment. Comes in compact package measuring only 6" x 6" x 2". Made of cloth and plastic. Inflates to large 24" ball. Comes complete with towline and full instructions. Surplus. Shipping Weight 3 lbs.

Item No. 11-851-3 **\$4.95**

## LIFE RAFT LIGHT



Emergency Life Raft Rescue Light operates when life raft is inflated. Inflating raft opens sealed case and battery is activated. Measures 5" long. Type J-2. Shipping Weight 1 lb.

Item No. 12-674-8 **\$4.50**

## AERIAL DROP LIGHT



Aerial Delivery Identification Light has red light on each end. Turns on automatically when released. Uses regular flashlight batteries. Measures 9-3/4" long. Type A-1. Shipping Weight 1-1/2 lbs.

Item No. 12-673-0 **\$5.00**

## BEAM GUN

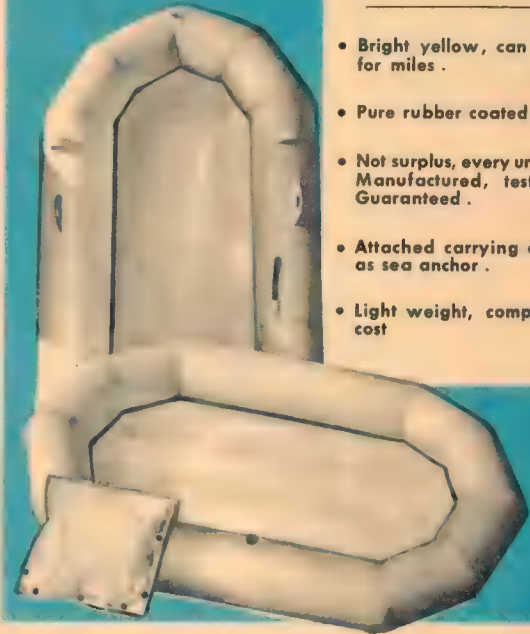


Intense Beamed Light with secure pistol grip. For use as search light, chart light, emergency light. Concentrated pinpoint sealed beam gives 40,000 candle power, can be seen 1/4 mile. Non-sparking, hermetically sealed, magnetic reed switch makes it perfectly safe for use where gas fumes or other combustibles are present.

Easily withstands shock or sudden temperature change. When dropped in water, it floats beam upward. Can be used underwater to depths of 200 ft. Convenient wrist lanyard included.

Shipping Weight: 3 lbs. 9 oz. Model L6, less battery. **\$19.95**  
Item No. 12-414-9

## SELF-INFLATING LIFE RAFTS



### CHECK THESE SAFETY FEATURES

- Bright yellow, can be seen for miles.
- Pure rubber coated Nylon.
- Not surplus, every unit Newly Manufactured, tested, and Guaranteed.
- Attached carrying case acts as sea anchor.
- Light weight, compact, low cost

## SELF-INFLATING RESCUE LIFE RAFTS

The new Winslow Self Inflating Air Sea Rescue Life Raft is designed for either aircraft or for marine use. Life Raft inflates from attached pressure bottle and can also be inflated orally or by means of hand operated air pump that is supplied with each raft. Four "D" rings are attached to the case to provide convenient bulk-head mounting for the 2 and 4 man rafts. The 6 and 8 man rafts have tie down straps for this purpose. The larger rafts feature double CO-2 bottles, boarding handles, full double compartmentation and high freeboard.

2 man Self Inflating Life Raft, 500 lbs. of buoyancy. 3' x 5'4" inflated. Packaged size 6" x 9" x 17-1/2". Shipping weight 14-1/2 lbs. Model 20-M. **\$12.50**  
Item No. 21-274-6

4 man Self Inflating Life Raft, 1000 lbs. of buoyancy. Packaged size 8" x 10" x 23". Shipping weight 23 lbs. Model 40-M. **\$23.00**  
Item No. 21-275-3

Also available with protective canopy. Model 40-MC **\$310.00**  
Item No. 11-997-4

6 man Self Inflating Life Raft, 1500 lbs. of buoyancy. 5' x 8'6" inflated, packaged size 7-1/2" x 13" x 29". Shipping weight 32 lbs. Model 60-M. **\$330.00**  
Item No. 21-276-1

Also available with protective canopy. Model No. 60-MC **\$430.00**  
Item No. 11-998-2

8 man Self Inflating Life Raft, 2000 lbs. of buoyancy. 5' x 10'6" inflated, packaged size 7-1/2" x 13" x 29". Shipping weight 32 lbs. Model 80-M. **\$385.00**  
Item No. 21-277-9

Also available with protective canopy. Model 80-MC **\$535.00**  
Item No. 11-999-0

10 man Self Inflating Life Raft, 2500 lbs. of buoyancy. 5'2" x 12" inflated, package size 8" x 14" x 30". Shipping weight 45 lbs. Model 100-M. **\$445.00**  
Item No. 21-379-3

Also available with protective canopy. Model 100-MC **\$645.00**  
Item No. 12-000-6

12 man Self Inflating Life Raft, 3000 lbs. of buoyancy. 5'4" x 14'2" inflated, package size 8" x 14" x 30". Shipping weight 52 lbs. Model 120-M. **\$545.00**  
Item No. 21-380-1

Also available with protective canopy. Model 120-MC **\$770.00**  
Item No. 12-001-4

## LIFE RAFT SURVIVAL KIT



Includes Food, Water, signalling & first-aid equipment. All contained in weather-proof Carrying Case, measuring 5-1/4" x 11" x 13-1/2". Shipping Weight 18 lbs. **\$39.50**  
Item No. 21-412-2

## LIFE RAFT PADDLE



**Collapsible, Lightweight, Pumps Water**  
This new paddle also acts as a pump by pushing handle in and out. Aluminum collapses to 20" for easy stowing, floats. Shipping Weight 2 lbs. **\$9.95**  
Item No. 11-072-6



# Computers & Blind Flying Equipment



## SPEED & DISTANCE WITHOUT CALCULATING! Analog Time-Scale Computer

This new precision instrument is carefully calibrated to read directly in minutes on either Sectional or WAC charts. To use, adjust computer to read your ground speed. The indicator tabs will then automatically space out to read

In minutes. Or, merely adjust the computer to read calibrated minutes between check points; and the computer will then read ground speed in miles per hour.

Miles Per Hr.	Item No.
85 to 145	12-180-6
95 to 170	12-181-4
115 to 200	12-182-2

Any of the above models..... \$990



## NEW SPEED, TIME AND DISTANCE COMPUTER Comes Complete With Miniature Computer On Key Chain

This new uncluttered speed, time and distance computer for cross country pilots also has a large compass rose on the reverse side. No confusing information. Large easy

to read print. All metal, anodized black with white numerals. Fits your shirt pocket, 3-1/4" diameter. Absolutely will not warp or curl from heat.

Also included with the computer is a handy miniature computer measuring 1-5/8" diameter with attached key chain. Shipping Wt. 5 oz. Item No. 12-806-6 \$590



## SANDERSON POCKET COMPUTER/PLOTTER

Pull-out steel tape shows 560 WAC chart statute mi, with statute and nautical sectional mil on reverse side. Pull-out tabs show flight plan sequence, altitudes, emergency procedures, etc. Shipping Weight 1 lb. Item No. 11-740-8 \$1000



## DME PLUS POSITION VISUALIZER INSTRUMENT

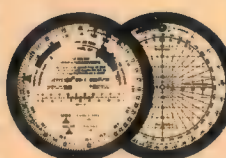
At last, a self-contained instrument that shows your distance from an omni station! No pencil work! No calculations! Works with only one omni! Just 3 simple settings. Heavy-duty instrument grade vinyl plastic. Item No. 21-421-3 \$1000



## NEW OMNI PLOTTER SIMPLIFIES IN-FLIGHT COCKPIT PROCEDURE

The new Omni Plotter allows the pilot to quickly determine true or magnetic course without confusion or complications. It eliminates the need for drawing course lines or calculations and is well-suited to in-flight plotting of alternate courses and distances.

This is an improvement over the standard straight-edge plotter. Highly recommended. Shipping Weight 4 oz. Item No. 12-460-2 \$495



## JEPPSEN CIRCULAR COMPUTERS

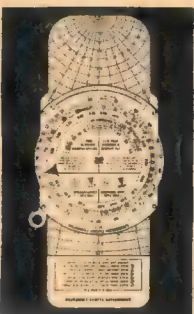
New CR-1 "Flight Age" Computer Gives fast, accurate wind solutions with easy one-hand operation. Gives true airspeed and density with one setting. Has movable cursor for precise accuracy. Printed formulas; space for owner's name. 4-1/4" diameter. Includes carrying case and instruction booklet. Shipped postpaid. Model CR-1. Item No. 12-782-9 \$995



## NAVIGATOR TAPE Makes Map Reading Easier

Roll up Ruler Tape is marked for both sectional and WAC charts. Tape measures up to 400 statute miles, checks distance instantly.

Outside of small 1-3/4" case has reciprocal bearing chart on one side. Other side has small computer with ground speed index, time and distance computer. Feather-weight. Shipping Weight 1-1/2 lbs. Item No. 41-400-7 \$395



## SANDERSON SLIDE COMPUTERS

All formulas and instructions are on the computer itself

Both student pilot and pilot alike find the SANDERSON BUILT-IN MEMORY COMPUTERS their most valuable flight accessory.

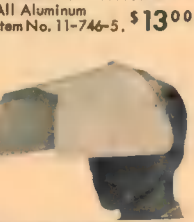
STANDARD SIZE COMPUTERS: (11" x 5") Shipping Weight 2 lbs.

All Plastic Item No. 11-743-2. \$1000

All Aluminum Item No. 11-744-0. \$1500

POCKET SIZE COMPUTERS: (7-1/4" x 3-1/4"). Shipping Weight 1 lb. All Plastic. Item No. 11-745-7. \$900

All Aluminum Item No. 11-746-5. \$1300



## INSTRUMENT FLIGHT HOOD

The new AERO-FLYER's Hood is designed for practice blind flying instruction. The new design is a light-weight vinyl plastic of a white diffusing type that cuts the bright rays of the sun down to a soft uniform light that very nearly duplicates the effect of actually being in the clouds.

The hood is fully adjustable and fits any head size. It's so light-weight you barely know you have it on and head sets and glasses may be worn with no difficulty or discomfort. Highly recommended. Shipping Weight 2 lbs. Item No. 21-410-6 \$1195



## BLIND FLYING KIT

This combination amber plastic and blue goggles in the Blind Flying Kit allows the passengers full visibility, but completely restricts the outside view of the student pilot. The student pilot can, however, easily read the instrument panel.

A special matched set of amber plastic and blue goggles is required to completely blank out the outside light. Only Aircraft Components, Inc. is able to furnish this special material in sheet sizes

of 30" x 50". Two sheet are furnished. Enough to cover the windshields and front side of any aircraft. Goggles are made by the American Optical Co. and are of the highest quality. Do not confuse this material with cheaper, imperfect sets. Complete kit consisting of 1 pair of goggles and 2 sheets 30" x 50" x .030" amber vinyl. Shipping Weight 8 lbs. Item No. 21-281-1 \$1900

Extra plastic sheeting, amber 30" x 50" x .030. Shipping Weight 4 lbs. Item No. 21-280-3 \$750



## POLAROID GOGGLES

This Polaroid All Purpose Goggle Kit has five interchangeable plastic lenses consisting of the following: Clear, Light-Green, Dark Green, Red-Dark Adapter and Red. Entire goggle is of soft rubber and it has an adjustable head band. Goggles come complete with a cloth compartmented carrying case. Shipping Weight 1 lb. Item No. 21-007-0 \$500



## INSTRUMENT FLIGHT GOGGLES

Instrument Flight Goggles Only. Made by the American Optical Co. with special blue lenses matched to amber sheeting for a complete blackout. Shipping Weight 1 lb. Item No. 21-150-8 \$500



## MECHANIC'S PORTABLE SAF-T-LITE

This new fluorescent Saf-T-Lite casts no shadows, has no danger of bulb explosion, no heat, shock resistant, electrical shocks completely eliminated.

Completely enclosed in insulated lamp. 3-wire Under-Writers Laboratory approved grounded cord. Slim 2" diameter, 20" long, very light-weight. Obsolete old style guarded light bulbs. Guaranteed one year. Shipping Weight 3 lbs. Item No. 12-253-1 \$2195



## MECHANIC'S FLUORESCENT LANTERN

Lots of light where you need it. Standard 12" fluorescent lamp in protected case. Operates from standard 110 volt AC outlet or from self-contained battery. Works in any position. Perfect for working in wing and fuselage of aircraft. Stainless steel reflector and trim. Also perfect as an emergency standby light. Includes batteries. Item No. 12-811-6 \$2195

A Burgess Model Z46 battery for Mechanic's Light. Lasts approximately 100 hours (cost about 6 cents per hour to use). Requires two batteries per lantern. Item No. 12-812-4 \$300



## RED-N-WHITE PILOT'S PENLIGHT

Pilot's Red-and-White Penlight with adjustable lanyard for safety. Comes with red light filter operated by separate control button. Uses 2 standard penlight cells (not included). Made of aluminum with chrome finish. Don't fly without one. Item No. 12-921-3. \$450



## MECHANIC'S INSPECTION LIGHT

Six inch plated goose neck extension prefocused bulb to inspect those hard to get to places. Lightweight, easy to use hand grip switch, complete with two C batteries and extra bulb. Shipping Wt. 1-1/2 lbs. Item No. 81-555-5 \$500



## I.F.R. FLIGHT HOOD

I.F.R. Flight Hood for simulated instrument flight. The Francis Instrument Hood quickly adjusts to your face, may be worn comfortably over glasses, constructed for finest quality plastic, does not restrict check pilots vision. FAA cert. not required. Shipping Weight 1-1/2 lbs. Item No. 21-408-0 \$1500



## EXTENSION LIGHT AND FLASHLIGHT

Pinpoint light for hard-to-reach spots. New style combination flexible extension light and flashlight. "Swung Out" side arm is 10-1/2" long when extended; collapses to length of flashlight for storage.

Industrial quality. Complete with spare bulbs. Shipped without batteries to save postage. Model 451. Shipping Weight 1-1/2 lbs. Item No. 11-418-1 \$895



## CONTINUITY TESTER AND FLASHLIGHT

Checks circuits for shortages and openings

This new combination continuity tester and flashlight features plug-in jack with 3 feet of color coated test leads equipped with alligator clamps. Perfect for aircraft and industrial testing, currents, shortages, broken wires, etc. Shipped without battery to save postage. Model No. 1618/CT. Shipping Weight 1-1/2 lbs. Item No. 11-417-3 \$600



## TRAFFIC CONTROL FLASHLIGHT

Combination flashlight and signal wand

This combination heavy-duty flashlight and signal wand is designed for airport personnel, policemen, etc. Rugged heavy-duty 2 bulb flashlight with red 6-1/2" snap-in signal wand. Shipped less batteries to save postage. Model No. 495. Shipping Wt. 1-1/2 lbs. Item No. 11-419-9 \$400



# Take the Work Out of Handling Your Aircraft!

## UNIVERSAL TOW BAR



The "Universal Tow Bar" is a single tool that fits most single-engine and light-twin Beech, Piper and Cessna aircraft. Made of rugged steel tubing, all fittings are welded as a single assembly, with no mechanical changes necessary when switching from one aircraft to another. The spring-loaded handle adapts automatically to the fittings on the aircraft nosewheel. Item No. 12-679-7

**\$1595**

## PARK-N-TUG



### Easy Handling of Tricycle Aircraft

For easy handling of nearly all single-engine tricycle gear aircraft and many light twins.

Completely self-contained, Park-N-Tug affords complete control and maneuverability. Even a woman can attach Park-N-Tug and handle the aircraft with ease.

The dependable 3-HP, 4-cycle Park-N-Tug power plant will handle any tricycle gear aircraft of up to 5,000 lbs. gross weight. Power to spare allows easy operation on most surfaces.

Park-N-Tug has been successfully tested with aircraft up to 60% heavier than its designed capacity. Equipped with a friction brake assembly, and all parts are guaranteed one year from date of shipment. Shipped from West Coast Factory.

Item No. 13-033-6 **\$39500**

## TIRE JACK



New Aircraft Tire Jack easily lifts any light aircraft with stub axle such as Cub, Taylorcraft, Stinson 150-165, Aeronca Champ and many others.

Locks in the down position and will work even if tire is completely flat. Made of strong steel tubing. Shipping Wt. 7-1/2 lbs. Item No. 31-378-3 **\$1395**

## CESSNA JACKING ADAPTER



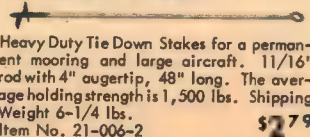
CESSNA fixed gear aircraft can not be jacked without this special adapter. Fits this or any other type of jack. Easy to use. Shipping Weight 5-1/4 lbs. Item No. 31-533-3 **\$950**

## WHEEL CHOCKS



Made of welded steel. For small aircraft Type A-1. 9" high. Shipping Weight 24 lbs. Item No. 21-343-9 ..... Each **\$750**  
For Medium Aircraft Type A-2. 10-1/2" high. Shipping Weight 24 lbs. Item No. 21-344-7 ..... Each **\$750**

## TIE DOWN STAKES



Heavy Duty Tie Down Stakes for a permanent mooring and large aircraft. 11/16" rod with 4" augertip, 48" long. The average holding strength is 1,500 lbs. Shipping Weight 6-1/4 lbs. Item No. 21-006-2 **\$279**

## ELECTRIC TOWBAR

for Tricycle Gear Aircraft



**ALL NEW!**

This new Robotow towbar now makes it easy to move your aircraft. Powerful electric motor (110 volts, 60 cycle) pulls or pushes with reversible switch on handle. A friction drum rotates the nosewheel, hooked up like any towbar, light enough to carry with you. Well made, fully guaranteed. Powerful enough to drive aircraft up ramps and over rough ground.

Heavy duty electric towbar recommended for all single engine and light twin aircraft. Specify make and model of aircraft so that proper axle adapters can be furnished. Shipping Weight 47 lbs. Item No. 31-539-0 **\$18950**

## Super Duty Model

Extra heavy duty model recommended for heavier twins such as Queenair, Twin Bonanza and Aztec B. More powerful than standard model. Also recommended for rough ground and difficult conditions. Always give make and model of aircraft when ordering, so that proper axle adapters can be furnished. Shipping wt. 47 lbs. Item No. 31-540-8 **\$28350**

## AXLE ADAPTERS

Bonanza, Baron, Travelair and Debonair  
Item No. 31-541-6 ..... \$16.00  
Cessna 172, 175, 182 and 310.  
Item No. 31-542-4 ..... \$16.00  
Piper, Apache, Comanche, Aztec, Navajo and Twin Comanche.  
Item No. 31-543-2 ..... \$16.00  
Piper Cherokee and Tri-Pacer.  
Item No. 31-556-4 ..... \$16.00  
Cessna 210  
Item No. 31-557-2 ..... \$24.00  
Navion, Riley and Camair  
Item No. 31-558-0 ..... \$24.00  
Twin Bonanza & Queen Air  
Item No. 31-544-0 ..... \$16.00  
Aero Commander  
Item No. 31-547-3 ..... \$24.00  
Cessna 337  
Item No. 12-174-9 ..... \$24.00

## 100 FOOT EXTENSION CORD

A 100 foot No. 16 wire extension cord that fits standard 110 volt socket. Shipping Wt. 1-1/4 lbs. Item No. 31-555-6 **\$245**

## TIE DOWN KITS



Take-it-with-you TIE DOWN KIT is designed for all light and medium aircraft. Complete set consists of three screwdown stakes made of strong steel tubing heavily plated to resist rust, and 3 tie down ropes 8-1/2 feet long, handy turning handle, and canvas carrying bag with a lot of protection for your aircraft at a very low price. We have sold thousands of these kits to date; so why not order one set now! Be safe, not sorry! Shipping Weight 3-1/4 lbs. Item No. 21-021-1 **\$650**



Popular Air Force Aircraft Tie Down Kit has 30 arrow tips, 15 eye assemblies, 15 ropes, 15 rods, 8 spoilers, 1 pin and 1 rod with carrying case. This is the popular Air Force Tie Down Kit with the replacement type tips. Shipping Weight 55 lbs. Item No. 21-284-5 **\$2500**



Drive-in Tie Down Kit has three pointed stakes of galvanized "T" iron, minus rope, in carrying bag. Stakes are 18" long with 3 rope holes. Ideal for temporary or permanent moorings. Shipping Weight 6 lbs. Item No. 21-005-4 **\$300**

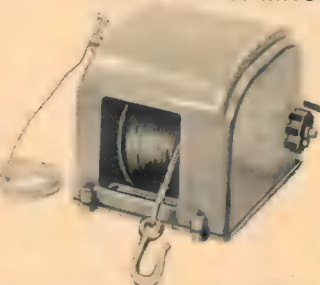
## LIGHTWEIGHT WHEEL CHOCK KIT



New, Light Plane Wheel Chocks - designed to be carried in your airplane. Strong, but lightweight. Contoured heavy wall, formed plastic. Complete with shock cords for securing to both sides of wheel. Kit has 4 chocks - fits in box measuring only 4" x 4" x 8". Cheap insurance against accidents. Shipping Weight 8 lbs. Comes in Set of 4. Item No. 21-358-7 **\$500**

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## ELECTRIC WINCH FOR EASY HANGARING



AEROWINCH is installed near the floor at the back wall of the hangar and is operated from any position by means of a long cord attached to the power switch on the unit.

The pilot can remain at the nose of the aircraft for guidance and control. Easy to use, simple to operate and AEROWINCH does all the work.

Comes complete with 50 feet of aircraft cable rated at 3200 lbs. strength, forged steel hook to fit tail down ring. Has all-weather aluminum housing around unit. Also has brake and free wheeling control for easy unwinding of cable.

AEROWINCH for use with regular 115 volt 60 cycle wall outlet. Shipping Wt. 26 lbs. Item No. 51-384-6 **\$14950**

## ELECTRIC WINCH PULLS PLANE IN OR OUT OF HANGAR



"Kid Glove" handling can be given your airplane with this electric power winch. A small handy start-stop switch, which can be held in the palm of one hand easily, is attached to the end of the electric cord. This gives perfect remote control of the winch.

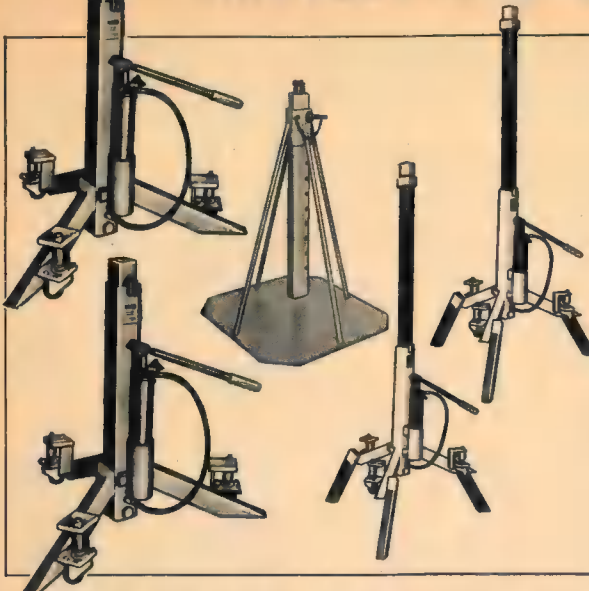
Start and stop at will. No need to be at the winch to control it. You can do so from your position at the plane.

The load cable can be "free wheeled" out to the plane by sliding the drive V pulley side-ways to declutch the winch from the motor. Re-clutching can be accomplished remotely without walking back to the winch.

Will handle any single or twin engine aircraft. Comes complete with 75 feet of galvanized aircraft cable and hook, an 8 ft. plug-in power extension cord and 80 ft. of extension electric cord with start and stop switch. Powerful 1/2 H.P. Motor is rated at 115/230 Volts, 50/60 cycles. Part No. 44633B 1/2. Shipping Weight 65 lbs. Item No. 51-453-9 **\$1715**



# Aircraft Cranes and Jack Sets



## COMPLETE AIRCRAFT JACK SET

This new aircraft jack set consists of 4 hydraulic aircraft jacks with various length adapters and one adjustable tail stand. Will fit all retractable gear aircraft up to and including: Beech G-18 and Aero Commander. Complete list includes All Beechcraft thru the G-18S, Cessna 210 and 310, Piper PA-23, PA-23-250, PA-24, Aero Commander, all models, Navion, Twin Piper PA-23, PA-23-250, PA-24, Aero Commander, all models, Navion, Twin Navion, Camair, Swift and any model aircraft similar to those above.

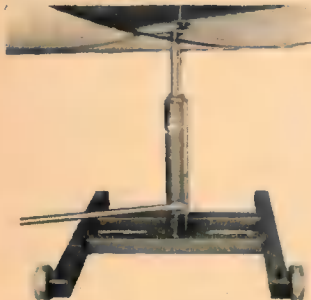
We also offer special jack sets for specific aircraft.

Rated at 6,000 lbs., made of heavy steel, positive pin safety locks, roll-away wheels on the two larger units, special cut-out to clear the Cessna 310 landing gear doors, can be knocked down for transportation, painted with high visibility AN yellow.

This set of jacks will handle almost any aircraft the average shop will service.

Model No. 2-176. Shipping Wt. 684 lbs. Item No. 51-388-7 **\$798.00**

## WING JACK



Designed for: Bonanza, Travelair, Baron, Navion, Twin Navion, Cessna 310, Apache, Comanche and Swift.

These Wing Jacks are manufactured to our own specifications, these new production wing jacks have all of the features you have asked for: 16" of free lift, only 25" high when retracted, square base that is far more stable than old style tripod, 2 leveling screws, 2 steel wheels, unit can be knocked down for storage by removing two bolts, 28" square base made of square high strength steel tubing, and hydraulic dependability, safety and smooth, jerk-free operation. Special height adapters can be made by yourself to adapt these jacks to any special purpose job you may have. Fit at nose, tail or wing positions. Complete with the adapters for airplanes listed above - **\$89.50**

## DZUS GROMMETS

GF6 1/2-281..... 11-840-6  
GF6 1/2-312..... 11-841-4

Package of 20 of any of the above sizes **\$100**

## DZUS SPRINGS

S4-200... 11-842-2 S5-200... 12-681-3  
S5A-325... 11-844-8 S4-225... 11-843-0  
S6A-400... 11-846-3 S6-425... 11-845-5  
S5-250... 11-848-9 S6A-400... 11-847-1

Package of 20 of any of the above sizes **\$100**

## DZUS FASTENERS



Dzus fasteners are used on aircraft for holding cowling and panel doors closed.

Part No. Item No. Part No. Item No.

AJW3-40 11-797-8 FA5-35 11-818-2  
AW3-20 11-798-6 A5-50 11-819-0  
AW3-35 11-799-4 AJW5-45 11-820-8  
AJW4-60 11-800-0 A5-35-688 11-821-6  
A4-30 11-801-8 A5-45-688 11-822-4  
FJ4-70 11-802-6 AJW5-70 11-823-2  
AJW4-35 11-803-4 AJ5-80 11-824-0  
AW4-25 11-804-2 AW6 1/2-40 11-825-7  
AJW4-70 11-805-9 A6 1/2-60 11-826-5  
AW4-30 11-806-7  
FW6 1/2-60 11-827-3  
F6 1/2-50 11-828-1  
FA6 1/2-45 11-829-9  
F6-40 11-830-7  
FA6 1/2-50 11-831-5  
AJ6-65 11-832-3  
F6 1/2-60 11-833-1

AJ5-60 11-812-5  
AW5-50 11-813-3  
A5-70 11-814-1  
AW5-100 11-815-8  
AW5-30 11-816-6  
AW5-60 11-817-4  
FA6 1/2-85 11-835-6  
AJ6-80 11-836-4  
FA6 1/2-55 11-837-2  
FA6 1/2-116 11-838-0  
FA6 1/2-65 11-839-8

Package of 10 of any of the above sizes **\$100**

## HAND HOIST & WINCH



## Pulls & lifts 3000 pounds!

The Winchoist lifts like a hoist, pulls like a winch, operates in any position. Ratchets the load in or out—always under full control. Powerful lever action, gives you "crowbar" advantage for lifting, pulling and tightening. Easy to operate, saves time—saves man power, makes a hard job easy. All steel frame, alloy aluminum reel. Simple, lightweight, trouble-free. 3,000 pound capacity with 7-1/2 ft. lift. With bottom sheave removed, the unit lifts 1,500 lbs., 15 ft. Part No. 75642. Shipping Weight 10-1/2 lbs. **\$270.6**

Differential Hoists will automatically support a load at any point. Use Timken Roller Bearings and Torrington anti-friction needle bearings.

Model 31H, capacity 1,000 lbs., approximate pull for capacity lift 104, maximum lift 10-1/2' and shipping weight 29 lbs. Item No. 51-455-4 **\$328.1**

Model 33H, capacity 2,000 lbs., approx. pull for capacity lift 188, maximum lift 11' 9-1/2", and shipping weight 50 lbs. Item No. 51-456-2 **\$507.4**

## AIRCRAFT ENGINE CRANE



Aircraft Engine Crane for lifting engines easily and quickly. Hydraulic operation for smooth safe use. 4" fixed front wheels, 4" casters rear wheels, over all length 62", front width 48", rear width 38", height to top of mast 76". The boom lowers to 17" and lifts to 124". Rated at 1,000 lbs., 750 lbs., 500 lbs., at the three different extensions. Shipping weight 210 lbs. Model No. 2-133. **\$306.00**

Also available with heavy-duty model. With boom closed, 2,000 lbs.; boom in center position, 1,500 lbs.; boom extended, 1,000 lbs. Model 2-134. Shipping Weight 260 lbs. **\$325.00**

Item No. 11-293-8

## GANTRY CRANE



This new versatile, low-cost, portable crane is just what you have been looking for in the shop.

Four large ball bearing wheels rotate 360° to provide second-to-none maneuverability.

Gantry legs form a bridge of strength featuring structural steel legs and tubing. All welded steel construction—only the top I-beam needs to be bolted on. I-beam is furnished. Floor clearance is 10 feet, I-beam is 12-1/2 feet long.

One ton capacity Model 56651 with 6" I-beam. Shipping weight 475 pounds.

Item No. 11-901-6 **\$258.50**

Two ton capacity Model 56652 with 8" I-beam. Shipping weight 550 pounds.

Item No. 11-902-4 **\$278.50**

## JACK SETS FOR JET AIRCRAFT



This new line of hydraulic jacks fits all the later models of business and executive jet aircraft. Jacks are equipped with leveling devices, positive locking pins and have 48" bases.

Aircraft Make	No. of Jacks Per Set	Item No.	Price Per Set
Hawker Siddeley DH125	3	11-220-1	\$ 911.00
North Am. Sabreliner	3	11-221-9	\$1065.00
Lear Jet	3	11-222-7	\$ 784.00
Jet Commander	2	11-223-5	\$ 720.00
Grumman Gulfstream	3	11-224-3	\$1142.00
Lockheed Jetstar	3	11-225-0	\$1303.00
Fan Jet Falcon	3	11-554-3	\$1131.00

**AIRCRAFT COMPONENTS, INC.**  
BENTON HARBOR, MICH. 49022. U.S.A.

Phone 616 925-8863

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# SKY-OX

# Aircraft Oxygen Equipment

## PORTABLE AIRCRAFT OXYGEN UNIT

Perfect Oxygen Set for  
Professional & Business Aircraft

### 3 Hours Continuous Use

This Sky-Ox model furnishes sufficient oxygen for approx. 3 hours for one person. For use up to altitudes of 30,000 feet. Special regulator gives longer duration with 15 cubic foot bottle. Sky-Ox Model SK9-1P. Shipping Wt. 13 lbs. Item No. 11-089-0

**\$99.00**

Lightweight, Portable, Refillable Anywhere

**BEST BUY**



**OVERSTOCK SALE!**  
Save 38%

## SKY-OX AIRCRAFT OXYGEN SYSTEM

This is an Economical,  
Efficient, Permanent System  
Durable Construction  
Assures Years of Service

This is an economical, efficient permanent system. Automatically supplies the proper amount of oxygen for from one to five people to a density altitude of 18,000 feet.

### SPECIFICATIONS:

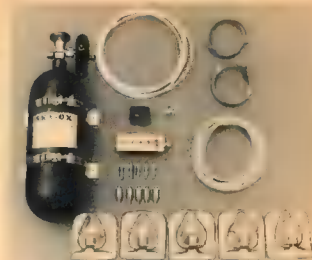
Cylinder Capacity: 30 Cubic Feet.

Weight: Approximately 20 lbs.

Duration of oxygen supply: Approximately 5 hours for one person.

Maximum density altitude at which FAA prescribed oxygen requirements are supplied: 18,000 feet.

Regulator: Preset, automatic metering.



## Standard Model for 1 to 5 People

SKY-OX SK-101-58 Aircraft Oxygen System is for fixed installation. It includes cylinder, main valve with built-in pressure gauge, fail-safe shut-off valve, regulator, manifold with quick-disconnect outlets, rubber mask tubing with built-in flow indicators, 5 plastic rebreather masks, nylon installation tubing, clamp-type mounting brackets, remote system filler adapter (not shown) and filler coupling line (not shown). Regularly \$326.00

Item No. 21-526-9 **NOW ONLY \$199.50**

### 90 Minute Oxygen Kit

Lightweight 90 minute oxygen set contains 15 cubic feet of oxygen. Comes complete with handy carrying case and mask for one person. Sky-Ox Model 15M. Shipping Wt. 13 lbs. Item No. 12-007-1

**\$72.50**



### Oxygen Kit For 2 People

This Sky-Ox Model comes complete with double outlet, 2 oxygen masks, etc. Approx. duration is 3 hours for one person or 1-1/2 hours for 2 people. Complete with filled 15 cubic foot capacity cylinder. Sky-Ox Model SK-9.

Item No. 12-006-3 **\$120.00**

Also available with chrome plated oxygen cylinder. Sky-Ox Model SK-9C. Item No. 12-929-6 **\$138.00**

### Oxygen Kit For 4 People

This Sky-Ox model comes complete with 4 oxygen masks, larger size (22 cubic foot capacity) oxygen bottle that furnishes approximately 4 hours duration for one person or 1 hour for four people. Regulator designed for use at altitudes up to 30,000 ft. Sky-Ox Model SK-10P. Shipping Weight 14 lbs. Item No. 21-527-1 **\$175.00**

Also available with chrome plated oxygen cylinders. Sky-Ox Model SK-10C. Item No. 12-764-7 **\$190.00**

### Oxygen Kit for Up to 5 People

Cylinder capacity is 40 cu. ft., furnishes approx. 8 hours for 1 person or up to 1-2/3 hours for 5 people at 15,000 feet. Maximum altitude for use is 34,000 ft.

Complete with 2-state automatic control regulator. Shipping Weight 33 lbs. Model SK-1001-58.

Item No. 21-525-1 **\$482.00**



### OXYGEN REGULATOR

Navy type air or oxygen pressure regulator drops high pressure down to low pressures for direct use in face mask. Complete with high pressure gage (0-2500 lb.) and high pressure coupling nut for tank connection. Can also be used for other purposes requiring regulated pressure drop. Bottom connection is for low pressure output. Shipping Wt. 3 lbs. Item No. 21-201-9 **\$7.50**



### DEMAND OXYGEN REGULATOR

Demand Oxygen Regulator Assembly type AN6022-1. Mfg. No. 0-506-1. Used with all aircraft oxygen masks. Adjusts output automatically for varying altitudes. Surplus. Shipping Weight 2 lbs. Item No. 61-680-5 **\$7.50**



### SKY-OX BAK-PAK

Sky-Ox BAK-PAK, usable with all Sky-Ox portables, makes handling and using exceptionally convenient for pilot and passengers. BAK-PAK is made of high-strength nylon, coated with non-peeling, vinyl plastic.

It is fully adjustable to fit any aircraft seat even those with head rests. For coolness and comfort, unit has separate air-cushion pad. Color is neutral gray, which blends with any interior color. Stowage pockets are sufficiently large to accommodate four masks and tubing with space left over for such items as maps and flashlights. Item No. 12-274-7 **\$30.00**

### OXYGEN MASK

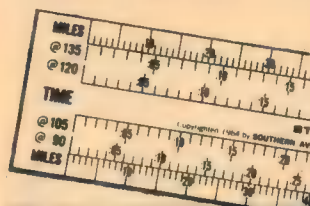
Oxygen Mask - Type A10-A for use over nose and mouth. This is the short style for use with any of the demand type regulators. New Surplus. Shipping Weight 2 lbs. Item No. 21-269-6 **\$5.00**

Extension oxygen hoses - 4 feet long, oxygen mask to regulator AN6003. Surplus. Shipping Weight 2 lbs. Item No. 21-188-8 **\$5.00**



### PORTABLE OXYGEN SYSTEM

Scott Portable Aircraft Oxygen System, Type-C. Consists of two small oxygen tanks, release valve, regulator, quick disconnect and oxygen hose for mask. Has built-in filler valve and pressure gage. Measures 15" long. Scott Aviation Corp. Model 21300-1, Type CRK-27/P29S-1, Air Force No. 59D3502. New, Surplus. Shipping Wt. 17 lbs. Item No. 21-486-6 **\$50.00**

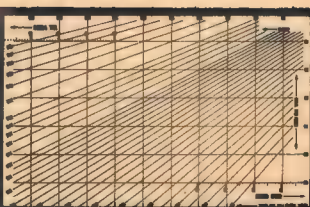


### NEW TIME AND DISTANCE SCALES

Instantly gives time and  
airspeed without computing

These chart scales are the handiest things we have seen for navigation. It is no longer necessary to calculate your ground speed. Four scales are included in the kit and are suitable for aircraft with speeds from 90 to 195 miles per hour. Use for both Statute and Nautical miles on both WAC and Sectional Charts.

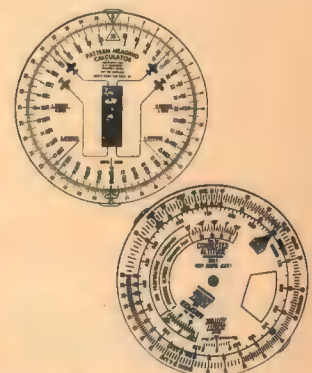
Complete kit of 4 scales with complete instructions. Shipping weight 1-1/2 lbs. Item No. 21-497-3 **\$5.00**



### CRUISING CALCULATOR

Cruising Calculator, Mark I, Type 88-C-75. Made by Felsenthal. Measures 7 in. by 11 inches with sliding plastic insert.

Calibrated from 70 to 160 knots. New, Surplus. Shpg. wt. 2 lbs. Item No. 11-024-7 **\$3.00**



### POCKET SIZE CALCULATOR AND COMPUTER

Use the calculator for your position in relation to the airport, correct courses for right and left take-off and landing patterns, time turns, tracking, course protractor, reciprocal headings, beam bracketing and holding patterns. Use the computer for time and distance, air speed correction, fuel consumption, rate of descent, conversion of distance units, altitude correction, density altitude, and to multiply and divide.

Includes a 32 page illustrated instruction manual. Shpg. wt. 1-1/2 lbs. Item No. 21-399-1 **\$5.00**



### FLIGHT ORGANIZER

Sanderson's Pilot Flight Organizer is designed to be the pilot's desk enroute and its handy size allows it to be used while flying. It offers a systematic way to file flight charts, gives the pilot a flight log to use in pre-trip planning and during the flight...has handy pockets for computer and plotter...also made of matching ivory shadow vinyl. Case Only. Shipping Weight 3 lbs. Item No. 11-742-4 **\$9.95**



# Buy Tires Direct by Mail & Save up to 50%!

**NO FINER TIRES ANYWHERE!**

Popular 6.00 x 6 Size  
as low as... **\$9.94**

**FAA APPROVED QUALITY**

Aviation style straight rib design, high strength nylon cord with steel reinforced inner bead, deep tread design for side traction, balance point marked.

The 6.00 x 6 aircraft tire fits most single engine aircraft. Available in either 4 or 6 ply.

- No better tire made anywhere-- regardless of price
- Satisfaction Guaranteed or Your Money Back
- Deep 7 straight Rib Tread design with lots of rubber
- New production by Armstrong NYLON tire cord

## Federal Tire Standards

For your protection, the U.S. Government has established rigid standards affecting performance, safety and construction for aircraft tires. Our aircraft tires are made in accordance with Federal Aviation Administration Specification TSO-C62.

We are the leading supplier of aircraft tires in the United States, and our direct-to-you selling saves 50% or more.

## All New Production, Factory Fresh Stock

### Tube Type Tires

Size	Ply	Item No.	Price	10 or More
5.00-5	6	61-526-0	\$10.38	\$ 7.79
6.00-6	4	61-518-7	13.25	9.94
6.00-6	6	61-519-5	14.32	10.74
7.00-6	6	61-532-8	16.04	12.03
6.50-10	6	61-531-0	21.30	15.98
6.50-8	6	61-529-4	17.97	13.48
7.00-6	8	12-751-4	19.16	14.37

### Tubeless Type Tires

Sidewall inflatable (inflation extension furnished with each tire).

Size	Ply	Item No.	Price	10 or More
5.00-5	6	61-527-8	15.69	11.77
6.00-6	6	61-522-9	20.21	15.16
7.00-6	6	61-533-6	21.91	16.43
6.50-10	6	12-750-	24.88	18.66

### Aircraft Tubes

Size	Item No.	Price	10 or More
5.00 x 4	61-525-2	10.00	7.00
5.00 x 5	12-752-2	12.33	9.25
6.00 x 6	61-520-3	11.24	8.43
6.50 x 10	61-672-2	10.28	7.71
7.00 x 4	61-673-0	10.00	7.00
7.00 x 6	12-753-0	11.24	8.43
7.50 x 10	61-674-8	10.00	7.00

### Solid Tailwheel Tires

Size	Item No.	Price
6 x 2 6"	61-536-9	5.50

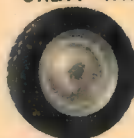
## MAULE SFS-P8 TAILWHEEL UNITS



MAULE 8" Pneumatic Tailwheel Unit equipped with shimmy dampener. Designed and engineered to meet the toughest conditions on all types of airports and landing fields. Trouble-free, inexpensive, steerable beyond full rudder range, aluminum hub and hub cap, 8 x 3:00 - 4 tire and tubes, all working parts heat-treated. FAA Approved. Shipping Weight 9 lbs.

Model SFS-1-4-P8 fits 1-1/4" Leaf Spring.  
Item No. 21-387-6 **\$749.5**  
Model SFS-1-2-P8 fits 1-1/2" Leaf Spring.  
Item No. 21-388-4 **\$749.5**  
Model SFS-3-4-P8 fits 1-3/4" Leaf Spring.  
Item No. 21-389-2 **\$749.5**

## RUBBER TIRED UTILITY WHEELS



Use these ball bearing rubber tired wheels for trucks, dollies and specially built equipment. Rated at approximately 150 lbs. per wheel. Tire measures 1-3/4" x 8", diamond pattern tread. 1/2" axle, ball bearing, hub width, approximately 1-1/3". Shipping Weight 2 lbs. 4 ozs. Item No. 12-270-5 each **\$300**

## TAILWHEEL CONTROL SPRINGS



3/4" x 7-1/2"  
Item No. 61-334-9 **\$2.50**  
Per Pair -  
3/4" x 13"  
Item No. 61-568-2 **\$3.50**  
Per Pair -

## TAILWHEEL BEARINGS

Tailwheel bearings for most solid rubber tire aircraft tail wheels such as made by Heath, etc. 1-3/8" diameter with 1/2" hole. Shipping Weight 1 lb. Item No. 61-161-6 Each **\$1.50**

## REPLACEMENT HOSES FOR STRUT PUMPS



Replacement hoses for strut pumps fits all automatic strut pumps. Complete with screw on strut connector and 1/4" pipe thread end fitting. 10 feet long. Item No. 12-851-2 **\$10.00**

## MAULE MODEL SFS TAILWHEEL UNIT



MAULE Model SFS Tailwheel Units are constructed of the same materials as SFS-P8 units except for the tire, which is MAULE 6:50 x 2:50 Super Soft Rubber Tire. These units are noted for their toughness and long lasting, trouble-free service. FAA Approved. Shipping Weight 8 lbs.

Model SFS-1-4 fits 1-1/4" Leaf Spring.  
Item No. 21-390-0 **\$399.5**  
Model SFS-1-2 fits 1-1/2" Leaf Spring.  
Item No. 21-391-8 **\$399.5**  
Model SFS-3-4 fits 1-3/4" Leaf Spring.  
Item No. 21-392-6 **\$399.5**

Maule Heavy Duty adjustable connector springs with chains and clips. Shipping Weight 2 lbs. Item No. 21-393-4 **\$39.5**

## TAILWHEEL AND TIRE ASSEMBLY



Complete tire, wheel and bearing assembly fits Scott, Heath, Maule, etc. tailwheel assemblies. 6.00 x 2.00 solid rubber tire, hub and ball bearings to fit 1/2" shaft. Shpg. Wt. 3-1/2 lbs. Item No. 12-678-9 **\$12.50**

## STRUT PRESSURE GAGE ASSEMBLY



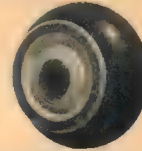
High pressure tester for landing gear strut. Gage reads from 0 to 1,000 lbs. Has 18" high pressure hose with end fittings and shut-off valve. Air Force Type 7CAD-339100. New, surplus. Shipping Wt. 2 lbs. Item No. 12-703-5 **\$12.50**

## WARNING SIGNALS



Loud blast horn to warn landing gear down, etc. 24 volt model will also operate on 110 volts if used with bell transformer. 5" diameter with two mounting brackets. Model AN5775-2. Shipping Weight 3 lbs. Item No. 81-163-8 **\$2.50**

## AIRCRAFT TIRE & WHEEL ASSEMBLY



Aircraft Tire and Wheel Assembly size 8 x 3-1/2", Assembly No. C-1084-B, D.A.C. Spec. No. 3670568. Also, Assembly No. 80151.

Solid rubber tire measures approximately 8" diameter, and 4-1/2" wide. Bore hole 1-3/8". Also suitable for carts, wagons and industrial uses. Brand New Surplus. Shipping Weight 14 lbs. Item No. 61-438-8 **\$7.50**

## ELECTRIC AIRCRAFT WEIGHING SCALE



Just released by the military as surplus, these electric aircraft weighing scales have a capacity of 150,000 pounds. Manufactured by Cox and Stevens, Model ES-5, Air Force Type V2. Consists of various components including electric cables, jack adapters, electrical sensing unit, etc.

These units are not complete and have various components missing. They are not usable as sold and are offered for their component parts. Packed in reinforced trunk with carrying handle, instructions, etc. \$50.00 each while they last. Shipping Weight 55 lbs. Item No. 12-616-9 **\$500.00**

## HYDRAULIC & BRAKE FLUID

Genuine Texaco Red Petroleum Base Hydraulic Fluid for aircraft Type 3580 (Also known as AA-5606, MIL-O-5606, etc.)  
One Gallon Item No. 41-019-1 **\$300**  
5 Gallons Item No. 11-276-3 **\$12.50**

## STRUT PUMPS

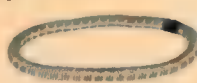
Aerol High Pressure Automatic Strut Pump. Connect to your air compressor, changes 100 lbs. air to very high pressure air for filling struts, accumulators, etc. Complete with 10 foot hose, fitting pressure gage, etc. Model 5750. Surplus. Shipping Weight 31 lb. Item No. 51-002-4 **\$179.00**

## HYDRAULIC FUSE

Simmonds Hydraulic Fuse shuts off hydraulic line automatically in event of line breakage. For uses with up to 40 cubic inch capacity. Part No. G-45-1-202. For 3/8" copper tubing. 4-1/2" long. Shipping Weight 1-1/2 lbs. Item No. 61-447-9 **\$7.50**

## RUSCO SHOCK CORDS

We sell only Genuine RUSCO quality shock cords made to rigid Government specifications. All of our stock is fresh, new production and not surplus. Prices are for each single ring.



## MAKE & MODEL OF AIRCRAFT

MAKE & MODEL OF AIRCRAFT	RUSCO PART NO.	OUR ITEM NO.	PRICE EACH
Cub J-2, Early J-3, J5B before '42	1174	21-462-7	\$2.85
Cub J-3, PA-11, PA-12, PA-14, PA-17, PA-18, Aeronca 15AC	1280	21-463-5	3.30
Cub PA-20, PA-22, PA-16, L21A	1080	21-464-3	2.85
Cub PA-18, PA-20	1380	21-465-0	3.68
Super Cub, PA-18	1084	21-466-8	3.00
Taylorcraft D	1192	21-467-6	3.30
Taylorcraft BC12D & late B	9010	21-468-4	2.93
Taylorcraft Before '46	9090	21-469-2	2.63
Cub J-2, J-4, J-5	8074	21-470-0	2.33
Aeronca 15AC, from serial 330 up	1286	21-471-8	3.45
Taylorcraft L-2	11104	21-472-6	3.75

## BRAKE DISC REPLACEMENTS



Part No. 95-10932-W, fits Aero Commander 500, 560E, 680, 580E, Beech 50, Verlot 44, and Tracker P-166. Shipping Weight 3 lbs. Item No. 61-478-4 **\$27.37**

Part No. 95-30287-W, fits Cessna 170, 172, 175, 180, 182, Skylane, Stinson 150, 165, and Aeronca 15. Shipping Weight 3 lbs. Item No. 61-479-2 **\$182.5**

Stationary brake disc Good-year Part No. 550030. Shipping Weight 3 lbs. Item No. 61-218-4 **\$5.00**

## BRAKE PARTS

Bendix Cup 51075. Shipping Weight 1-1/2 lbs. Item No. 61-215-0..... Each **\$35.4**  
Brake Expander Tube Goodrich-Hayes Part No. D-22-26. Shipping Weight 1-1/2 lbs. Item No. 61-217-6..... **\$300**  
Bendix Bushing 54243. Shipping Weight 1-1/2 lbs. Item No. 61-216-8..... Each **\$75.4**

## TIRE BEAD BREAKER



Designed for breaking beads on a wide range of aircraft tires. No more skinned knuckles. Adjustable for various sizes, very well made of welded steel. Item No. 11-066-8 **\$32.50**

## MASTER BRAKE CYLINDER



Hydraulic Master Brake Cylinder with piston push rod, rubber boot, flange type mounting. Manufactured by Gladden Products, Part No. 311214-1L used on T-33 aircraft. Surplus. Shipping Weight 4-1/2 lbs. Item No. 61-477-6 **\$3.50**

More pilots buy tires from ACI than from any other source



# Aircraft Hardware Kits

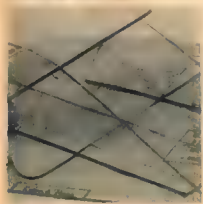
any kit on this page... **\$2<sup>50</sup>**

## FLEXIBLE WIRE CONDUIT



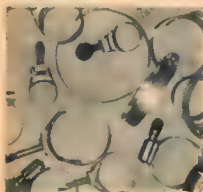
3/16" & 5/16" I.D. flexible aluminum covered tubing protective tubing for wires, copper tubing, etc. 10' - assorted types. Item No. 12-718-3

## PLEXIGLAS ASSORTMENT



Plexiglas assortment has about five square feet of 1/8" thick aircraft grade flat Plexiglas in various shapes and sizes up to 18" long. Plexiglas will bend if heated. A handy assortment. Shipping Wt. 7 lbs. Item No. 61-254-9

## HOSE CLAMPS



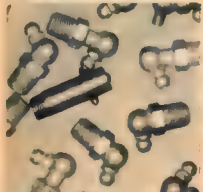
Aircraft Hose Clamp Kit has 25 assorted Aero Seal Worm Gear & Compression Type Hose Clamps. Sizes range from about 1/2" to 2-1/2", cadmium plated and stainless steel types. Shipping Wt. 2-1/2 lbs. Item No. 61-270-5

## SWITCHES



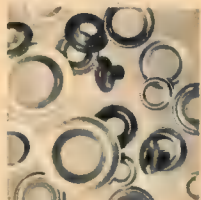
Aircraft Switch Assortment has 10 different toggle, push button and snap type switches used on lights, landing gear, power, etc. Both momentary & on-off types. Shipping Wt. 2 lbs. Item No. 61-276-2

## GREASE FITTINGS



One dozen assorted grease fittings in various angles, sizes and styles. Shipping Wt. 1 lb. Item No. 61-272-1

## GROMMETS



Reinforcing Grommets used on fabric or light metal. About 50 assorted pieces in both brass & aluminum types. Shipping Wt. 1 lb. Item No. 61-249-9

## ZIPPERS



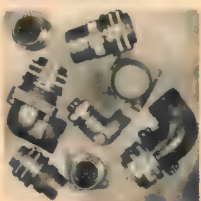
Ten pieces of assorted zippers for use on inspection openings, cushions, fabric, etc. Longest is about 30". Both brown and grey. Priced way below cost. Shipping Wt. 1-1/4 lbs. Item No. 61-255-6

## WING NUTS



An assortment of aircraft type Wing Nuts. Various sizes, cadmium plated, steel. All SAE standard threads. Some sizes drilled for safety wire. Shipping Weight 1-1/2 lbs. Item No. 12-280-4

## ELECTRICAL CONNECTORS



Electrical Multiple Connectors have from 1 to 20 connections per plug. 5 assorted matched sets in this handy kit. Shipping Wt. 3 lbs. Item No. 61-267-1

## BRASS & IRON RIVETS



A Mechanic's assortment of many styles and sizes of Brass and soft Iron Rivets. An excellent shop assortment. Approximately 3/4 lbs. Item No. 13-037-7

## TURNBUCKLES



Aircraft Turnbuckle assortment has five different brass barrels with cadmium plated steel end fittings.

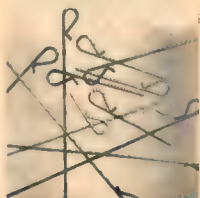
Use with aircraft control cables, boat rigging, etc. From about 4" to 9" long. Shipping Wt. 1-1/2 lbs. Item No. 61-250-7

## STEEL CABLE



Stranded Steel Cable. 7 and 19 strands per cable for general use. 1/32" to 1/16" sizes. Approx. 300 feet of assorted sizes. Shipping Wt. 3 lbs. Item No. 12-454-5

## COWL LOCK PINS



Cowl Lock Pins - 15 assorted lengths from 1-3/4" to 20" long. Can be cut to any length. Shipping Wt. 1 lb. Item No. 61-256-4

## BUSHINGS



Bushing Kit has 25 bronze and steel bushings in various sizes to about 3/4" diameter. Used on controls, pushrods, pulleys. Shipping Wt. 1-1/2 lbs. Item No. 61-262-2

## RESISTORS



Resistor Kit has 25 assorted low and high wattage resistors for radio, instrument panel lights, etc.

Variable resistance types, fixed types, etc. Shipping Wt. 1 lb. Item No. 61-268-9

## HOSE ENDS



Aeroquip Type Hose Ends for all aircraft gas, oil and air hose. You get ten different types and sizes in this kit covering 1/4" to 1" hose sizes. Perfect for shop or mechanic use. Shipping Wt. 2 lbs. Item No. 61-251-5

## BALL BEARINGS



Aircraft Ball Bearing assortment of 12 different aircraft rod end, control & motor bearings up to about 1-3/4" diameter. Handy to have around the shop. Shipping Wt. 1-1/2 lbs. Item No. 61-257-2

## STRAP WRENCH



General purpose strap wrench for aircraft or other uses. Fits any cylinder up to 3-1/2" diameter.

3/4" x 3/16" white strap with metal end. Made by Bonney Tool Co. Shipping Wt. 1-1/2 lbs. Item No. 31-549-9

## WARNING & SIGNAL LIGHTS



Instrument Panel Warning and Signal lights. Kit has 5 lights & 4 assorted replacement lenses.

Red, green, white, clear, etc. Shipping Wt. 2 lbs. Item No. 61-269-7

## HOOK-UP WIRE



A useful selection of insulated electrical hook-up wire for aircraft repair work. Approx. 250 feet of assorted sizes and colors. Shipping Wt. 1-1/2 lbs. Item No. 12-408-1

## PRIMER FITTINGS



Aircraft Engine Primer fittings assortment has elbow and "T" jet fittings and straight & elbow fittings for copper tubing. Ten assorted fittings. Shipping Wt. 1 lb. Item No. 61-252-3

## RUBBER HOSE



An assorted collection of rubber hoses in various lengths and sizes for handy shop use. 5 assorted kits. Shipping Wt. 3-1/2 lbs. Item No. 12-453-7

## CABLE TERMINALS



Aircraft control and guy cable terminals. Stainless & nickel steel. 20 assorted types and sizes. Shipping Wt. 2 lbs. Item No. 61-264-8

## FITTINGS



25 assorted oil, gas & airline fittings: T's, L's, couplings, hose fittings, etc. Handy for shop or mechanic. Brass and aluminum in various sizes. Shipping Wt. 2-1/2 lbs. Item No. 61-275-4

## LENSES



15 different replacement lenses for aircraft running lights, dome lights, recognition lights, etc. Red, green, clear, white, etc. Shipping Wt. 2 lbs. Item No. 61-258-0

## WOODRUFF KEYS



25 pieces of assorted Woodruff Keys - 1/2 circle steel style. Shipping Wt. 2 lbs. Item No. 61-248-9

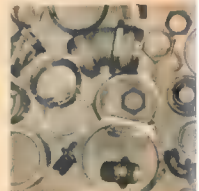
## AIRCRAFT DRAIN COCK



Aircraft Drain Cock. Koehn P/N 83501-1, finger operated with standard 7/16" male thread

Package of 3. Shipping Wt. 1 lb. Item No. 12-471-9

## CONDUIT FITTINGS



Aircraft Electrical Conduit fittings assortment. Includes nuts, elbows, adapters, sleeves, clamps, etc. Used on aircraft & marine radio equipment. 25 pieces. Shipping Wt. 2-1/2 lbs. Item No. 61-263-0

## LIGHT BULBS



A handy replacement kit of assorted aircraft light bulbs various voltages, sizes, bases & colors. Used in wing tip lights, cockpit lights, overhead lamp, etc. Shipping Wt. 2 lbs. Item No. 61-274-7

## ARC TORCH CARBON



Carbon Sticks for arc torch welding and cutting. Mid States Series 9000, copper plated.

1/2" x 6" AC. Box of 10 Shipping Wt 1/2 lb. Item No. 61-391-9 .... **\$2<sup>50</sup>**

5/8" x 6" DC. Box of 10 Shipping Wt. 2 lbs. Item No. 61-392-7 .... **\$2<sup>50</sup>**

Any 100 of the above \$20.00



# Aircraft Hardware Kits

any kit on this page... \$2<sup>50</sup>

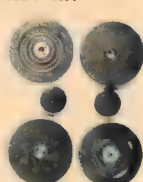
Perfect for Pilot, Mechanic, or shop use...order several at this LOW price.

## AIRCRAFT BOLTS



Kit above has about 50 assorted hex head aircraft cadmium plated bolts in various lengths and sizes up to 2-1/2" long. Shipping Wt. 4 lbs. Item No. 12-445-3

## PULLEY KIT



Aircraft Control Pulleys - 1" to 2-1/2" size - 6 pulleys in 3 different types. Shipping Weight 1 lb. Item No. 12-700-1

## ALLOY SCREWS



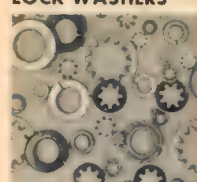
Aluminum alloy screws are corrosion resistant, light weight & high strength. Brazier, round, and flat heads. Threads are fine and coarse. This package contains about 500 different types. Shipping Wt. 2 lbs. Item No. 61-204-4

## ALUMINUM RIVETS



An excellent assortment of Aircraft type Aluminum Rivets in many sizes and styles. Perfect for repair work. Approximately 3/4 lbs. Item No. 13-036-9

## LOCK WASHERS



Aircraft split and star washers. Both steel & brass, various sizes. About 300 pieces. Shipping Wt. 1-1/2 lbs. Item No. 61-194-7

## PIANO HINGES



Aluminum aircraft grade Piano type continuous strip hinges are used on control surfaces, doors, panel openings, etc. 5 lengths about 36" long and up to 2" wide. Anodized finish. Shipping Wt. 2-1/2 lbs. Item No. 61-253-1

## CLEVIS BOLTS



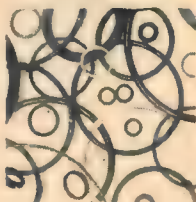
This kit of aircraft cadmium plated steel clevis bolts comes in about 100 pieces in sizes from #8 to 3/8" in various common lengths. Shipping Wt. 2 lbs. Item No. 61-201-0

## TINNERMAN NUTS



Kit contains about 200 Tinnerman nuts of assorted sizes and styles. Nuts are spring steel, plated, and also include edge types. Shipping Wt. 1-1/2 lbs. Item No. 61-202-8

## "O" RINGS



Aircraft "O" ring, gasket and wiping ring assortment from approximately 1/2" - 6" diameter. A shop assortment of about 50 pcs. Shipping Weight 4 lbs. Item No. 61-245-7

## DUPONT RIVETS



Popular self sealing blind rivets, require only a soldering gun for installation. About a 200 piece ass't, of brazier and flat heads. In various lengths and sizes. Shipping Weight 1-1/2 lbs. Item No. 61-186-3

## COUPLING HOSES



About 25 oil resistant coupling hoses. Mostly from 2" to 4" in length. 1/2" to 1" in diameter. Fabric reinforced type. Shipping Wt. 2-1/2 lbs. Item No. 61-246-5

## FUSES



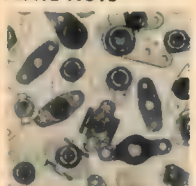
These glass and metal fuses are used in aircraft, boats and cars. From 5 to 50 amperes rating. Kit has various types and sizes with about 100 pieces. Shipping Wt. 2 lbs. Item No. 61-187-1

## RUBBER GROMMETS



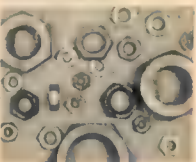
Rubber Grommet assortment has about 50 pieces in various sizes. Shipping Wt. 1-1/2 lbs. Item No. 61-367-9

## PLATE NUTS



Kit contains about 150 assorted plate nuts, locking & non-locking types. Steel and aluminum, fibre & metal inserts. 6/32" to 5/16" diameters. Shipping Wt. 2 lbs. Item No. 61-196-2

## BOLT NUTS



Aluminum nuts to fit aluminum aircraft bolts. The various types are: castle, hex, shear, plain. About 150 pieces. Shipping Wt. 1-1/2 lbs. Item No. 61-184-8

## CHERRY RIVETS



These popular cherry rivets come in a mechanics assortment of flat & brazier heads, aluminum and steel, regular and pull-thru, in four diameters and several lengths. About 200 pieces. Shipping Wt. 1-3/4 lbs. Item No. 61-185-5

## CABLE THIMBLES



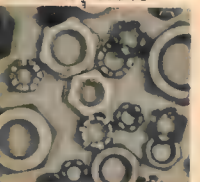
This kit of aircraft cable thimbles has about 40 assorted sizes for 1/8" to 1/2" cable, contains both stainless steel and plated steel. Shipping Wt. 2-3/4 lbs. Item No. 61-212-7

## CLAMPS & CLIPS



A wide assortment of cushion & bonding clips for wire and hose fastenings. Aluminum and steel. About 50. Shipping Wt. 1-3/4 lbs. Item No. 61-200-2

## AIRCRAFT NUTS



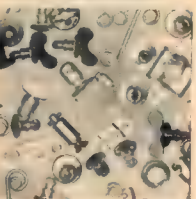
This kit contains nuts to fit all aircraft bolts. Cadmium plated steel. Comes in 3/16" to 1/2" sizes. Plain, castellated, and shear styles. About 100 pieces. Shipping Weight 1-1/4 lbs. Item No. 61-205-1

## MACHINE SCREWS



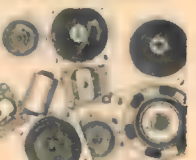
Aircraft machine screws, steel & brass, round, flat, brazier, filler heads in both fine & coarse threads. About 500 pieces. Shipping Wt. 4 lbs. Item No. 61-191-3

## LOCK FASTENERS



50 pieces of Dzus, Airlac and Lion aircraft cowl lock fasteners, springs, grommets, etc. Handy for replacement. Shipping Wt. 2 lbs. Item No. 61-271-3

## SHOCK MOUNTS



Aviation type vibration absorbers for instrument panels, inverters, etc. 25 assorted types. Shipping Wt. 2-1/2 lbs. Item No. 61-182-2

## CLEVIS PINS



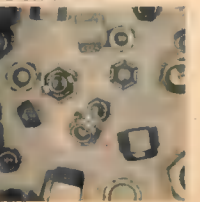
Aircraft Clevis Pins are used on control surfaces, pulleys, etc. An assortment of 100 cadmium plated steel pins in several diameters and lengths. Shipping Wt. 2 lbs. Item No. 61-181-4

## CORROSION INHIBITOR PLUG



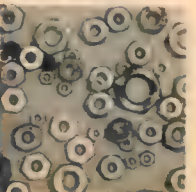
Corrosion Inhibitor Drain Fitting is packed with chromate crystals to prevent internal corrosion. Used on many aircraft. Has approximately 1" threaded fitting. Shipping Weight 1 lb. Item No. 61-247-3 \$2<sup>50</sup>

## LOCK NUTS



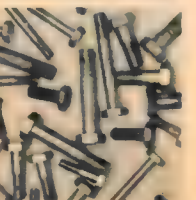
Self-locking aircraft nuts with fibre and metal inserts. Steel, brass and aluminum. Sizes from #4 to 1/2". Fit both screws and bolts. About 100 pieces. Mfg. Etna, Greer, etc. Shipping Wt. 1-1/2 lbs. Item No. 61-206-9

## SMALL NUTS



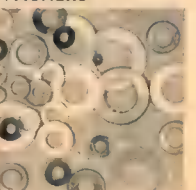
An assortment to go along with the screw kit. It contains cadmium plated steel & brass nuts, a combination of fine & coarse threads. The package has about 300 pieces. Shipping Wt. 1-3/4 lbs. Item No. 61-192-1

## ALUMINUM BOLTS



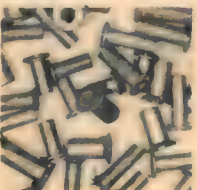
High strength, lightweight, corrosion resistant hex head bolts, 3/16" to 1/2" diameter up to 3" long. These aluminum bolts are also perfect for boats. About 100 pieces. Shipping Wt. 2 lbs. Item No. 61-183-0

## WASHERS



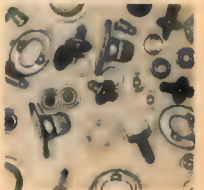
About 500 mixed types and sizes of aircraft flat washers in plated steel, aluminum and brass. From No. 4 to 1/2". Shipping Wt. 2 lbs. Item No. 61-190-5

## RIVNUTS



This kit has an assortment of flat and countersunk Goodrich Rivnuts. Rivnuts are both sealed & open types in various lengths. Kit has about 200 pieces. Shipping Wt. 1-1/2 lbs. Item No. 61-203-6

## DOT FASTENERS



These dot type fasteners, snaps, hooks, eyes, grommets, pins and catches are used on inspection holes, signs, etc. 100 assorted. Shipping Wt. 1-1/2 lbs. Item No. 61-193-9



# Buy Your Aviation Supplies by Mail & Save!

## MULTIPLE VOLTAGE & CIRCUIT TESTER



Easily finds shorts, opens, continuity of circuits, low voltage live circuits, and high voltage live circuits in electronic equipment, automotive, aircraft, marine electrical systems, farm equipment and home appliances.

**FEATURES:** No complicated meter scales to read or burn out. Easy to see bright red signal lights. Unbreakable case. Heavy duty test leads 36" long. Reads both AC & DC in all positions. Easy to replace type AA batteries. Bulbs replaceable from front of tester by unscrewing red lens. Compact size 2-7/8 x 4 x 1-5/8. Comes complete with batteries and instructions with each unit.

Model 12: 6V-12V-115 & 220V  
Item No. 12-804-1 **\$119.5**

Model 24: 12V-24V-115 & 220V  
Item No. 12-805-8 **\$119.5**

## MAG POINTS



American Bosch magneto armature breaker assembly. Part No. PL-16  
Item No. 81-166-1 **\$100**

## BENDIX MAGNETO



Bendix-Scintilla Type SE 14 RN-8 Spec. No. AN 9511A. Mfg. Dwg. No. 10-19-125-9. Measures approximately 10" high x 8" wide. Surplus. Item No. 12-457-7 **\$3500**



Bendix VMN7DF-5 fits Continental R-670. May also fit Jacobs engines. Brand new, surplus. Item No. 21-302-5 **\$4750**

## ACTUATOR



Bendix Linear Actuator, used to operate aircraft flaps. Assembly No. 404630 with 28 volt D.C. motor. Measures 13" long. New Surplus. Item No. 61-506-2 **\$2500**

## TIME-RITE INDICATOR



Time-Rite Magneto Timing Device for aircraft engines. Complete kit includes indicator, battery and test leads, carrying case, magneto leads and instruction book. Included with each unit is one pivot arm and scale unit. Order others as required. Mfg. by Gobb Special Product, Inc.

Model B-18 Tester fits engines with 18mm spark plugs. Comes complete as described above with one arm and scale for engine you specify with order. Shipping Weight 3 lbs. Item No. 31-426-0 **\$4500**

Model G-14 Tester fits engines with 14mm spark plugs. Comes complete as described above with one arm and scale for engine you specify with order. Shipping Weight 3 lbs. Item No. 31-427-8 **\$4500**

Extra Pivot Arms and Scales to fit any engine you specify. Shipping Weight 2 lbs. per set- **\$327**

## 10 AMP 24 VOLT RELAY



10 amps, 24 Volt D.C. Relay. 4 contacts, normally open. General Electric No. CR279-G100-K4. Shipping Weight 1 lb. Item No. 11-102-1 **\$300**

## PUSH BUTTON CIRCUIT BREAKER



Push button circuit breaker, 25 ampere rating. Spencer Thermostat Company. Part No. 109116-25. Standard three hole mounting. 3/4" wide, 2 1/4" high, 2 1/4" deep. With 2 screw terminals on back. New, surplus. Item No. 12-708-4 **\$200**

## AIRCRAFT CIRCUIT BREAKERS



Mounts through 7/16" hole. One inch high, 3/4" wide. Weighs 1 oz. Screw terminal on back.

3/4 ampere rating klixon D6755-1-3/4  
Item No. 12-817-3 **\$300**

## AIRCRAFT MAGNETO TIMING LIGHT



Designed specifically for internal timing of aircraft magnetos and for synchronizing magnetos to aircraft engines.

Simply attach three clips to the magnetos and adjust until both bright lights flash in synchronism--that's all--it's timed perfectly.

**FEATURES:** Fail safe circuitry with extra bright flashing lights. Heavy duty unbreakable case. 18 gage lead wires 36" long. Heavy aluminum face plate.

Compact 3" x 5" x 2-5/8". Comes complete with batteries (Type AA Penlite). Complete instructions with each unit.

Shipping Weight 1-1/2 lbs. Model E50  
Item No. 12-803-3 **\$299.5**

## VOLTMETER SWITCH



Voltmeter Switch used to measure voltages at up to 9 different locations using 1 voltmeter.

Weston Type G-1  
Shipping Wt. 1 lb. **\$450**  
Item No. 81-049-9.....



NAF-1052 Voltmeter Switch  
Shipping Wt. 1 lb. **\$100**  
Item No. 81-313-9.....

## ROTARY SWITCH



Rotary 3-pull switch, 7 positions, single hole mounting. Shipping Weight 2 lbs. Item No. 11-700-2 **\$250**

## RHEOSTATS



Rheostats - wire wound aircraft type.

Item No.	Price
25 watt rating for dimming panel lights, etc.	
75 ohms	81-602-5 \$2.50
100	81-603-3 \$2.50
175	81-604-1 \$2.50
250	81-605-8 \$2.50
50 watt rating	
2	81-606-6 \$3.50
8 shielded AN3155	81-631-4 \$3.50
9.5	81-607-4 \$3.50
37.5	81-608-2 \$3.50
50	81-609-0 \$3.50
150 shielded	81-610-8 \$3.50
100 watt rating	
30	81-611-6 \$5.00
34	81-612-4 \$5.00
120	81-613-2 \$5.00

## SERVO AMPLIFIER



Servo Amp. Part No. 55/APS-208. Contains 7 vacuum tubes and related equipment on plug-in board. Includes 2 each 6AQ5 tubes, 2 each 12AU7, 2 each 12AT7 and 1 each 6AL5 tubes. Measures 9-1/2" x 6-1/2" x 4". New Surplus. Shipping Weight 10 lbs. Item No. 61-495-8 **\$500**

## AUTOMATIC PILOT MOUNTING ASSEMBLY



Type A-3 Automatic Pilot Gyro Control Mounting Assembly. Sperry Part No. 643-917. Specification 94-27980. New surplus. Complete with control valves. Shipping Weight 10 lbs. Item No. 11-337-3 **\$5000**

## OIL DRAIN TRAP



Oil drain trap for aircraft instrument use, automatic pilots, etc. Light weight design, jacked and heintz type JH3050. Approximately 3 1/2" diameter with pipe thread openings. Shipping weight 1 lb. New, surplus  
Item No. 12-825-6 **\$500**

## FLOW METER



Rate of Flow Transmitter for fuel or oil. Will read up to 12,000 lbs. per hour or 200 lbs. per minute. For 1-1/2" tubing. Made by General Electric. Part No. 81J-30G-AB3. 11" long, weighs 6 lbs. Surplus. Shipping Weight 8 lbs. Item No. 71-212-5 **\$2000**

## FUEL FLOW METER



Aircraft Fuel Flow Meter. Direct reading type made by Fischer-Porter. Model 155 reads from 0-100 imperial gallons per hour and 100 to 750 pounds per hour. Complete with by-pass valve assembly, gage glass, etc. Shipping Weight 9 lbs. Item No. 71-130-9 **\$1250**

## C-46 HYDRAULIC CYLINDER



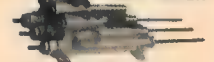
Curtiss C-46 Hydraulic Cylinder, Part No. S20-540-1046-3, measures 18" overall with 2-1/2" dia. cylinder body. Full swivel bearing ends with 1/4" size hole, and extends approx. 11". Brand new surplus.  
Item No. 11-031-2 **\$3750**

## HYDRAULIC CYLINDER



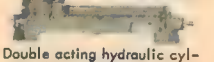
Push-pull 2-way hydraulic cylinder measures approximately 16" long, 4" high, 2-1/2" wide. Has 6" stroke, ball bearing swivel ends and quarter inch holes. Shaft size 3/8". Part of type A-3 automatic pilot. Brand new in factory carton.  
Item No. 61-448-7 **\$2000**

## TRIPLE HYDRAULIC CYLINDER



Triple Hydraulic Cylinder, part of type A3A automatic pilot. Each cylinder has an hydraulically operated rod that extends through each end of the cylinder. The stroke is 8 in. Relief valves are built into each cylinder. Sperry Part No. 641227 or equivalent. New surplus  
Item No. 71-607-6 **\$2500**

## TWO WAY HYDRAULIC CYLINDER



Double acting hydraulic cylinder has a single piston rod exiting from both ends. 11" throw. Part of Sperry Aircraft Automatic Pilot. Part No. 644558. Cylinder rod is 3/8" diameter. Threaded at both ends. Built in control valve. Overall length approximately 30". Government surplus, shipping weight 10 lbs.  
Item No. 12-858-7 **\$1500**

## AIRCRAFT ENGINE PRIMER



Single engine aircraft primer. Lunkenheimer primer has all brass body with push-pull pump. Locks in position when not used. Measures linkages long, fits blank size hole. Has 2/8" pipe thread connections with built-in check valve. Item No. 12-765-4 Each **\$1000**

## ACCESSORY TYPE UNIT



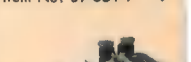
Accessory Type Unit with right angle gear box and shift lever. General Electric 1/8 H.P. motor, 24 volts D.C., continuous duty rating, 7.5 amps, shut wound. Oil filled gear box. Accessory No. General Electric 867712G1. 8-1/2" high x 5" x 5". Shipping Weight 5 lbs. Item No. 61-505-4 **\$1500**

## AIRCRAFT VOLTAGE REGULATOR



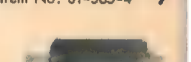
Voltage Regulator Leec Neville type A-1. Part No. 11606, specification 32D1.

Shock mounted on aluminum base plate 9" x 5" x 2-1/2" high. For use with one 12 vdc generator. Rated at 50 amp reverse current cutoff. New surplus. Shipping Weight 4 lbs. Item No. 81-564-7 **\$75**



Voltage Regulator Eclipse Bendix type A1A. Mfg. Dwg. No. 109879-323-4 Spec. 94-32016-A. Shock mounted on aluminum base plate. 9" x 5" x 2-1/2" high

For use with two or more 1 volt generators connected in parallel. Rated at 50 amp reverse current cutoff. New Surplus. Shipping Weight 4 lbs. Item No. 81-565-4 **\$75**



Delco-Remy voltage regulator Model No. 111-8473. 11 volt model, set at 50 amps. at 12 volts. Has negative ground to battery connection. Heavy duty sealed case measuring approx. 5" high x 6" wide x 8" long with connector box. Brand New. Shipping Weight 4 lbs. Item No. 81-584-5 **\$1500**



Voltage Regulator - Delco Remy No. 11182-57. Negative ground, 24 volts, 10-15 amps. Measures 3" x 4" x 2-1/2". New Surplus. Shipping Weight 4 lbs. Item No. 11-036-1 **\$1000**

## VOLT REGULATOR REPAIR KIT

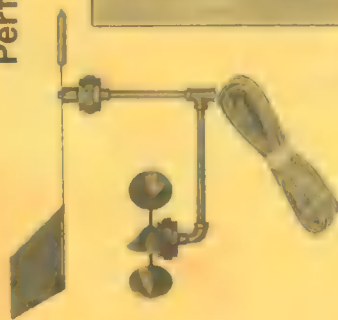


Eclipse Field Repair Kit D-130746 for servicing Carbon Pile Voltage Regulators and Control Boxes. Kit has over 200 service parts including carbon piles and instruction manuals for types 936, 939, 986, 1001 and 1002. Brand new surplus with carrying case. Shipping Weight 5 lbs. Item No. 61-340-6 **\$750**



# Own your own Weather Station!

Perfect for Home,  
Office or Airport.



## THE COMPLETE TAYLOR WEATHERSCOPE

Accurately measures  
Wind Direction, Wind Speed,  
Barometric Pressure  
and Temperature

Shows temperature, wind speed, direction  
and barometric pressure. Solid wood panel  
16" x 14", handomely finished.

Thermometer shows the present temperature,  
as well as the highest and lowest  
points reached since last resetting. 20 feet  
of capillary tubing is included with out-  
door temperature bulb. Matching baro-  
meter gives accurate weather forecasts at  
a glance.

Included on front panel is a blank metal  
plate that may be engraved with your name  
or other information. Shipping Weight 18  
lbs.

Wind Speed & Direction Indicators are self-  
powered. All outdoor parts of noncorrod-  
ing aluminum. Transmitter assembly may  
be installed on a roof or any suitable ele-  
vation within maximum distance of 2000  
feet. Sixty feet of weatherproof plastic  
covered cable is supplied with unit.

Item No. 71-334-7

\$188 50

Also available with long (40 foot) tem-  
perature sensing lead. (Regular model above  
has 20 foot temperature lead.)

Item No.  
12-930-4

\$199 00

# Aircraft Circuit Breakers



Part No.	Amps	Item No.	Mfg. Part No.	Amp	Item No.	Part No.	Amps	Item No.
AN3160-5	5	81-513-4	1705-5	5	12-686-2	PM-5	5	81-437-6
8750-K3	6	81-407-9	D-6751-1	5	81-520-9	PSM-5	5	81-578-7
9300-B-10A	10	81-408-7	D-6751-2-5	5	81-542-3	PM-10	10	81-355-0
8751-K4	10	81-409-5	4986768-5	5	81-353-5	PM-15	15	81-357-6
AN3160-10L	10	81-411-1	AN3161PS	5	81-418-6	PSM-15	15	81-358-4
9300B1-10	10	81-412-9	AN3161P10	10	81-419-4	LD-15	15	81-360-0
8752-K4	15	81-384-0	4986768-10	10	81-486-3	PSM-20	20	81-362-6
9300-B-15A	15	81-386-5	498768-15	15	81-468-1	CDM-20	20	81-363-4
9300-B20A	20	81-387-3	D6750-1-15	15	81-521-7	PM-25	25	81-364-2
AN3160-20L	20	81-388-1	4986768-20	15	81-462-4	C6758-4-40	40	12-706-8
8905-K596	20	81-389-9	4986768-35	35	81-463-2	PLM-60	60	81-366-7
8733-K3	20	81-559-7	3161P35	35	81-532-4	PDLM-60	60	81-367-5
8754-K5	25	81-580-3	AN3161P50	50	81-377-4	Any of the above		\$12 5
AN3160-25L	25	81-392-3	4986768-50	50	81-491-3	PLMS-70	70	81-534-0
9300-B25	25	81-509-2	M525017-50	50	81-492-1	ILM-80	80	81-370-9
9300-B35A	35	81-393-1	Any of the above		\$12 5	PLM-80	80	81-369-9
8755-K4	35	81-394-9	Any of the above		\$12 5	PLMS-80	80	81-368-3
Any of the above		\$12 5	Part No.	Amps	Item No.	ILM-105	105	81-473-1
			AN3161-10	10	81-374-1	PLM-105	105	81-371-7
			AN3161-20	20	81-375-8	PLMS-120	120	81-537-3
			NAF1213-20	20	81-376-6	PLM-150	150	81-539-9
			NAF1213-50	50	81-377-4	PGM-200	200	81-372-5
			Any of the above		\$12 5	Any of the above		\$2 00
			AN3160-50L	50	81-397-2			
			9300-B90A	90	81-438-4			
			Any of the above		\$2 00			



# New Items for the Pilot

## MATCHING WEATHER INSTRUMENTS FOR LAND OR SEA

It's helpful and fun to know about the weather...at home, at airport, in your office or factory. With this matching line of Danforth standard mount weather instruments, suitable for inside marine use or any on-shore use, you have wind direction and speed, air and water temperature, weather forecasts and the time, at a glance.

Suitable for wall or bulkhead mounting, the instruments are manufactured to meet Danforth quality standards for accuracy and durability. Clear, easy-to-read white graduations and figures on black dial. Brass or chrome cases. 5-1/2" diameter base.



### BAROMETER

Equipped with the finest HPBN movement. Fully temperature compensated, this barometer gives unequalled precision readings. Calibrated in 2/100ths from 27.50 to 31.50 inches.

Brass - Model No. M60SB  
Item No. 13-046-8.....\$75.00

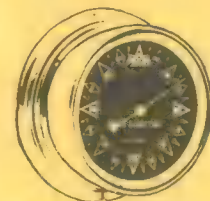
Chrome - Model No. M60SC  
Item No. 13-047-6.....\$80.00



### REMOTE WATER TEMPERATURE

Easily mounted in a thru-hull fitting, the sensor of this accurate unit gives water temperature readings from 30° F to 90° F. Legible, easy-to-read dial and pointer. 30 ft. cable. 12v. only.

Brass - Model No. M59SB  
Item No. 13-052-6.....\$80.00  
Chrome - Model No. M59SC  
Item No. 13-053-4.....\$85.00



Accurate, easy-to-read true Wind Direction Indicator, Marine dial with cardinal and inter-cardinal points. Supplied with rugged, sensitive vane and 60 feet of cable. Suitable only for shore use. Operate on 115v AC or 12v battery power.

Brass - Model No. M51SB  
Item No. 13-044-3.....\$180.00  
Chrome - Model No. M51SC  
Item No. 13-045-0.....\$185.00



### WIND SPEED INDICATOR

A flip of a switch gives readings on an 0-25 scale or an 0-120 mph scale. 110° meter movement. No power is required. Supplied with 60 feet of cable and a rugged three-cup generator.

Brass - Model No. M50SB  
Item No. 13-042-7.....\$75.00  
Chrome - Model No. M50SC  
Item No. 13-043-5.....\$80.00

### REMOTE AIR TEMPERATURE

Weather shielded sensing unit for precision readings from -40° to 120°F. Provided with 30 feet of connecting cable. 115 v AC only.

Brass - Model No. M58SB  
Item No. 13-048-4.....\$190.00  
Chrome - Model No. M58SC  
Item No. 13-049-2.....\$195.00

## PORTABLE PRESSURE SPRAYERS



The Best way to clean windshields, spray light liquids, etc.

"Sure-Shot" Pressure Sprayers are refillable with any light liquid and are pressurized with your regular air hose. Carry anywhere, adjust for jet spray, or mist. Industrial quality tested for 200 lbs. air pressure. Chrome plated brass tank.

6oz. pocket size - Type 4000  
Item No. 13-034-4.....\$59.5



1 Qt. Shop size - Type 2000  
Item No. 13-035-1.....\$178.0



### CLOCK

A self-contained battery-powered clock with a sweep-second hand and clear, sharp numerals and face. Accurate within seconds a day.

Brass - Model No. M64SB  
Item No. 13-050-0.....\$80.00  
Chrome - Model No. M64SC  
Item No. 13-051-8.....\$85.00



## MIXTURE CONTROL MONITOR



### All New Vertical Dial

This new Vertical Dial Exhaust Gas Temperature Monitor System features an expanded scale covering 250°F. Continuously monitors engine for best operating performance.

Operates on 14 or 28 Volt D.C., fit on standard instrument panel holes. FAA Approved for all aircraft.

2 year or 1,000 hour Warranty. When ordering, specify aircraft model, voltage and whether front or rear panel mounting is desired.

EGT-1 (single engine, 6-1/2 ft. leads)  
Item No. 13-039-3.....\$89.50  
EGT-1T (single engine, 20 ft. leads, use two for twin)  
Item No. 13-040-1.....\$93.00

EGT-2 (dual meter twin engine, 20 ft. leads)  
Item No. 13-041-9.....\$199.00



### AIRCRAFT IGNITION CABLE TESTER

Gives you a fast, accurate test of the Hi-Voltage aircraft engine ignition cables.

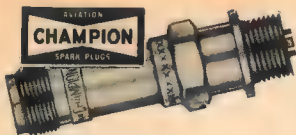
Simply connect three wires, push the test button and the test is completed. The E5 will instantly indicate in its test window both good and defective cables. There is no waiting for an indication to appear.

Features Fail-Safe Circuitry, Heavy Aluminum Face Plate, Unbreakable Case, Heavy-Duty Lead Wires & Clips. One year Warranty & Instructions with each unit. Compact, 3 x 5 x 2-5/8. Weighs approximately 1-1/2 lbs. Model E-5

Item No. 13-038-5.....\$329.5



# Giant Savings on Aircraft Spark Plugs!



## CHAMPION EM42E

Standard 18MM new production Champion EM42E Spark Plugs to fit most Lycoming and Continental engines. Item No. 12-774-6  
List Price - \$4.10  
NET PRICE - **\$2.91**

## CHAMPION REM40E

Resistor Type REM40E New Production Champion Spark Plugs to fit most Lycoming & Continental engines. Item No. 12-775-3  
List Price - \$4.80  
NET PRICE - **\$3.41**

## Other 'Champion' Spark Plugs

Champion Part No.	List Price	Item No.	Our Price
AY-43	\$ 1.50	12-958-5	\$ 1.07
J-4	1.50	12-959-3	1.07
L-34R	1.50	12-960-1	1.07
M-41N	3.00	12-961-9	2.13
REJ-38	3.00	12-962-7	2.13
M-41E	3.00	12-963-5	2.13
HM41E	4.10	12-965-0	2.91
REL37B	4.80	12-966-8	3.41
REM38E	4.80	12-967-6	3.41
REM40E	4.80	12-968-4	3.41
RHM38E	4.80	12-969-2	3.41

REB32N	4.80	12-971-8	3.41
REB37N	4.80	12-972-6	3.41
REB37E	4.80	12-973-4	3.41
RHB29E	4.80	12-974-2	3.41
RHB29N	4.80	12-975-9	3.41
RHB32E	4.80	12-976-7	3.41
RHB32N	4.80	12-977-5	3.41
RHB37E	4.80	12-978-3	3.41
RHB37N	4.80	12-979-1	3.41

## Platinum

Champion Part No.	List Price	Item No.	Our Price
REM38P	\$ 9.35	12-980-9	\$ 6.64
RHM38P	9.35	12-981-7	6.64
RHB32P	12.30	12-982-5	8.73
RHB32P	12.30	12-983-3	8.73

## Iridium

Champion Part No.	List Price	Item No.	Our Price
REL37W	\$12.30	12-984-1	\$ 8.73
REM38W	12.30	12-985-8	8.73
RHM38W	12.30	12-986-6	8.73
REB36W	14.45	12-987-4	10.26
RHB36W	14.45	12-988-2	10.26
RHB32W	14.45	12-989-0	10.26



## AC AIRCRAFT SPARK PLUGS

18 mm - resistor type AC spark plugs with 5/8-24 shielding thread. Fits most Lycoming and Continental engines.

Type	List Price	Item No.	Our Price
SR88	\$ 5.05	61-614-4	\$3.59
SR87	5.05	61-613-6	3.59
18mm - nonresistor type with 5/8-24 shielding thread.			
S88	4.40	11-259-9	3.12

## Other Popular 'AC' Spark Plugs

Type	List Price	Item No.	Our Price
A44	1.61	12-931-2	1.14
A47LY	3.01	12-932-0	2.14
A88	3.45	12-933-8	2.45
SA43	3.45	12-934-6	2.45
HS88	4.40	12-935-3	3.12
LA47	4.62	12-936-1	3.28
HSR86	5.05	12-937-9	3.59
SR86	5.05	12-938-7	3.59
HSR87	5.05	12-939-5	3.59
HSR88	5.05	12-940-3	3.59

AC171	5.05	12-941-1	3.59
AC172	5.05	12-942-9	3.59
AC175	5.05	12-943-7	3.59
AC271	5.05	12-944-5	3.59
AC273	5.05	12-945-2	3.59
AC275	5.05	12-946-0	3.59

## Platinum

Type	List Price	Item No.	Our Price
SR47P	9.68	12-947-8	6.87
SR83P	9.68	12-948-6	6.87
HSR83P	9.68	12-949-4	6.87
AC181	12.69	12-950-2	8.90
AC281	12.69	12-951-0	8.90
AC283	12.69	12-952-8	8.90
AC286	12.69	12-953-6	8.90

## Platinum/Iridium

Type	List Price	Item No.	Our Price
HSR93	10.59	12-954-4	7.52
SR93	10.59	12-955-1	7.52
AC291	12.79	12-956-9	8.95
AC293	12.79	12-957-7	8.95



## 7MM IGNITION WIRE

7MM Ignition Wire, Unshielded Hi-Tension Spark Plug Wire. Type MIL-C-3162. Type 1, Grade A Neoprene sheathed with high dielectric insulation. 7 strands stainless steel inner conductor. This is the highest quality spark plug wire made. Electric Autolite Mfg. Co. Shipping Weight 5 lbs. 100 foot Spools. Item No. 61-359-6 **\$13.50**

Shielded Ignition Wire. Glass braided, high dielectric compound insulation. Has new style 7 standard steel wire for highest spark output. Loose shielded braid covers moisture-proof plastic covering. Autolite Type 755. Item No. 61-379-4 PER FOOT - **25¢**

Buy a full roll and save even more - 100 foot factory spool. Item No. 12-486-7 **\$18.00**



## LYCOMING & CONTINENTAL ENGINE SPARK PLUG

Autolite SH2N Fits Standard 18MM with Shielded Harness Brand New Autolite SH2N 18MM shielding Spark Plug with standard 5/8-24 shielding thread to fit wiring harness. Fits most Lycoming and Continental engines, also Pratt & Whitney R985, etc. Regularly about \$4.00 Each. Item No. 13-069-0 **NET: \$7.50**

## LS465A SPARK PLUG



Part No. LS465A. This plug is a long reach plug designed for larger engines - they do not fit small plane engines. Fit Standard shielded harness nuts with 5/8-24 thread and 18mm spark plug opening, threads measure 3/4" long and plugs have four spark gaps. Item No. 12-927-0 **20¢**

## CHAMPION C-34-S SPARK PLUGS



Special Champion Long Reach Type C-34-S Aircraft Spark Plugs. For standard 5/8-24 tube thread. 4 electrode type with porcelain insulator. Surplus. Item No. 12-799-3 Each - **25¢**

## IGNITION COIL



Bendix Scintilla Aircraft Ignition Coil. Part No. 10-18230Y. New, in sealed can. Shipping Weight 2-1/2 lbs. Item No. 81-569-6 **\$10.00**

## IGNITION BOOSTER COILS



Aircraft Ignition Booster Coils are used on any engine to make starting easier in cold weather or under severe operating conditions. Eclipse C-1 (93654-513-1) - 24 volt model. Shipping Weight 2 lbs. Item No. 81-518-3 **\$7.50**

## SPARK PLUG ELBOW



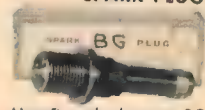
90° spark plug elbow fits shielded spark plugs 1/4-20 thread. Shipping Wt. 1 lb. Item No. 11-903-2 Each - **70¢**  
110° spark plug elbow fits all shielded spark plugs with 5/8-24 thread. Such as C26S, C34S, etc. Shpg. wt. 1 lb. Item No. 81-644-7 Each - **70¢**

## AIRCRAFT SPARK PLUG TYPE 659A



Aircraft spark plugs type 659A with standard 5/8-24 top thread and long reach 18mm cylinder thread. Four electrode type. Government surplus. Item No. 12-853-8 **20¢**

## TYPE BG LS489 SPARK PLUG



Aircraft spark plugs type BG LS489 fits aircraft engines using 9/16-27 thread for the ignition wiring harness and 18mm cylinder head threads with long reach. These are brand new government surplus spark plugs in original factory packages. Four electrode type. Item No. 12-852-0 **20¢**

## AC LS82 SPARK PLUG



Government surplus AC type LS82 spark plugs with 5/8-24 ignition harness thread and long reach 18mm cylinder thread. Three electrode type. Item No. 12-856-1 **20¢**

## AIRCRAFT SPARK PLUG AC LS85



Aircraft spark plugs AC type LS85 with standard 5/8-24 top thread and long reach 18mm cylinder thread. Three electrode type. Government surplus. Item No. 12-855-3 **20¢**

## SPARK PLUG GAPPING TOOL



Sets spark plug for best engine performance

Spark Plug Gap Adjusting Tool for all aircraft spark plugs with the standard 18mm and 14mm spark plug threads. For use with all makes of spark plugs. Sets the gap of each point to any setting as required. A "must" tool for every aircraft mechanic. Made by AC Spark Plug. Tool No. 155-7223. Shipping Weight 5 lbs. **\$17.50** Item No. 31-357-7 List Price: \$33.00

## CHAMPION C-26



Champion C-26 Aircraft Spark Plugs fits most Continental and Lycoming Engines that use the regular unshielded wiring harness. Item No. 12-801-7 **70¢**

## AC HA86 HIGH ALTITUDE SPARK PLUG



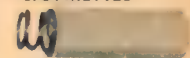
Government surplus AC type HA86 high altitude spark plug with 5/8-24 ignition harness thread and long reach 18mm cylinder thread. Three electrode type. Item No. 12-857-9 **20¢**

## BG 417-S



BG 417-S Aircraft Spark Plugs fit many Continental, Lycoming and Pratt & Whitney aircraft engines with 18mm base and 9/16-27 thread for the ignition wiring harness. Common on older style engines. Brand new Surplus in Factory Cartons. Item No. 12-800-9 **60¢**

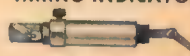
## "CIGARETTES"



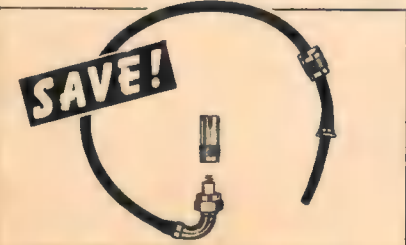
Spark Plug Insulators or "Cigarettes" for all shielded spark plugs. Aero Type E3AC, Part No. 118383N6. 1" long insulator with 1-4" spring end. Shipping Weight 1 lb. Item No. 61-347-1 **10¢**

Ceramic "Cigarettes" Part No. 118383. 1" long insulator with spring end. Shipping Weight 1-1/2 lb. Item No. 11-227-6 **25¢**

## AIRCRAFT ENGINE TIMING INDICATOR



Top Dead Center Indicator used for timing any engine with 18mm spark plug hole. Finger has adjustable angle for various engines. The position of the arm in or out of the cylinder is also adjustable. Precision made. Fits Continental, Lycoming, PNW, Wright, etc. engines with 18mm spark plugs. 8" long. Model 8-4177. Shipping Weight 2 lbs. Item No. 12-229-1 **\$7.50**



Save over 50% from List Price. Tremendous Savings!

## SHIELDED IGNITION WIRING LEADS

"Made-Up -- Ready for Use"

When ordering Ignition Leads, give us either the make and model of your aircraft or the engine number, magneto part number and spark plug type you are now using. Also, lengths of leads necessary if you are not ordering a complete set.

Shielded Ignition Wiring Leads complete with connectors to fit any engine with standard shielded spark plugs. Regularly Priced At: \$6.88 SALE PRICE: **\$3.25**

Shielded Ignition Leads for aircraft engines with the large top "all-weather" style shielded spark plugs. Regularly Priced At: \$9.03 SALE PRICE: **\$4.35**



# Miniature Welding Torch and Hardware

(HAND-SIZED)  
**Gas Welding Torch**  
5000° Pinpoint Flame Welds, Brazes, Solders  
(Self Contained. No wires or connections needed.)

Ideal for workshop, electrical/electronic repair, miniature glassblowing, wiring, labwork, jewelry making.

Produces over 5000° F. pen-point accurate flame using self-contained miniature oxygen and butane compressed gas cylinders. Easy to use for lightweight welding, brazing and soldering and it fits conveniently into a pocket or in tool box when not in use. The Microflame Torch will also cut most metals, including the noble and rare metals.

Cuts, welds, solders, yet fits in hand. Portable, uses self-contained gas cylinders.

Complete miniature torch set contains the Torch as illustrated, with 3 flame tips, torch tube, gaskets, butane and oxygen cylinders and instructions. Shipping Weight 2 lbs.

Item No. 51-460-4 **\$199.5**

## Industrial Model Cutting Torch with 5000° Flame

Industrial Model Microflame Gas Welding Torch Model 2000. Contains a complete Model 1000 Miniature Torch Set (described above), plus industrial capacity oxygen and propane tanks, valves, accessories, adapters, handle bracket, and complete instructions. Shipping Weight 10 lbs.

Item No. 51-461-2 **\$647.5**

### SUPPLIES:

Replacement Miniature Oxygen Cylinders for Model 1000 hand held torch. (Carton of 10 cylinders). Shipping Weight 2 lbs.

Item No. 51-462-0 **\$7.50**

Replacement Butane Cylinders for hand held torch. (Carton of 6). Shipping Weight 2 lbs.

Item No. 51-463-8 **\$3.00**

## ELASTIC STOP NUT STRIP



Aluminum Channel with Elastic Stop Nuts evenly spaced. Used around windows, hatch opening, etc.

Part No. 32W-003-58, 1-1/4" spacing, 71" long, 10-32 thread. **\$2.00**  
Item No. 11-040-3

Part No. 22G-1202-14, 1-3/4" spacing, 72" long, 10-32 thread. **\$2.00**  
Item No. 11-041-1

Part No. 22G-1-048-8, 1" spacing, 72" long, 1/4"-28 thread. **\$2.00**  
Item No. 11-042-9

Part No. 22G-1-048-12, 1-1/4" spacing, 72" long, 1/4"-28 thread. **\$2.00**  
Item No. 11-043-7

Part No. 22G-2-82-8, 1" spacing, 72" long, 8-32 thread. **\$2.00**  
Item No. 11-044-5

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## HOT AIR DUCTING



Flexible Aluminum metal hose for aircraft heating systems and carburetor air ducts. Fits all standard aircraft fittings. Measurement is inside diameter.

Size	Item No.	10ft.	20ft.	50ft.
3/8"	12-990-8	\$2.00	\$3.50	\$7.00
3/4"	12-991-6	2.50	4.50	9.00
1"	12-992-4	2.50	4.50	9.00
1-1/4"	12-993-2	2.75	5.00	10.00
2"	12-994-0	6.00	11.00	22.00
2-1/4"	12-995-7	6.50	12.50	25.00

## AIRCRAFT WIRE For lights, radios, and other wiring



Gauge	Item No.	100'	500'	1000'
22	12-908-0	\$ 4.00	\$14.50	\$26.00
20	12-909-8	4.00	16.00	30.00
18	12-910-6	5.00	20.00	36.00
16	12-911-4	6.00	24.00	45.00
14	12-912-2	8.00	35.00	60.00
12	12-913-0	12.00	48.00	88.00

Gauge	Item No.	10'	50'	100'
10	12-914-8	\$ 4.00	\$13.00	\$26.00
8	12-915-5	4.00	15.00	28.00
6	12-916-3	6.00	25.00	47.00
4	12-917-1	7.00	30.00	58.00
2	12-918-9	10.00	48.00	87.00
0	12-919-7	16.00	74.00	148.00
00	12-920-5	20.00	90.00	175.00

## PIPE COUPLINGS



Aluminum self-sealing connectors, do not require flaring. Simply slip both tubes into connector and tighten ends. They are available in several sizes.

For 3/4" OD Tubing  
Item No. 11-032-0. **\$2.50**

For 1/2" OD Tubing  
Item No. 11-033-8. **\$2.50**

For 3/8" OD Tubing  
Item No. 11-034-6. **\$2.50**

Brass Pipe Union for 3/8" pipe. **\$1.00**

Item No. 11-035-3. **\$1.00**

## AN3057 ELECTRICAL CONNECTOR CLAMPS



Connector clamps to fit standard electrical multiple connectors used on aircraft.

AN3057 Series

Size 3 - Item No. 12-209-3 10 for \$1.50

Size 6 - Item No. 12-210-1 10 for \$2.00

Size 8 - Item No. 12-211-9 10 for \$2.00

Size 10 - Item No. 12-212-7 10 for \$2.00

Size 20 - Item No. 12-214-3 10 for \$2.50

## WRIGHT ENGINE VALVE LIFTERS



Wright Engine Valve Lifter. Part No. 802870. Brand New. Shipping Weight 2-1/2 lbs.

Item No. 71-703-3 **\$7.50**

## STOP NUTS



Plated, self locking, hexagon stop nuts. Removable, reusable, never work loose.

SIZE	ITEM NO.	PER PRICE
4-48	61-622-7	100 \$2.50
6-32	61-623-5	100 2.50
6-40	61-624-3	100 2.50
8-32	61-625-0	100 2.50
8-36	61-626-8	100 2.50
10-24	61-627-6	100 3.00
10-32	61-628-4	100 3.00
1/4-28	61-629-2	100 4.40
5/16-24	61-630-0	100 5.10
3/8-24	61-699-5	50 5.00
7/16-20	61-700-1	50 5.00
1/2-20	61-701-9	50 7.00
9/16-18	61-702-7	25 4.50
5/8-18	61-703-5	25 5.50
3/4-16	61-704-3	10 3.50
7/8-14	61-705-0	10 5.00
1-14	61-706-8	5 4.00

## STAINLESS STEEL NUTS



1/4"-28 Aircraft Nut, Stainless. Meets Aviation Specifications. AN121527. Fits standard 7/16" wrench, 7/32" thick.

Quantity	Item No.	Price
100	61-174-9	\$ 1.50
1,000	12-522-9	12.50
10,000	12-523-7	100.00

## CASTELLATED NUTS



Size	Quantity	Item No.	Price
10-32	100	61-661-5	\$3.20
1/4-28	100	61-662-3	3.50
5/16-24	100	61-663-1	3.90
3/8-24	100	61-664-9	4.70
7/16-20	100	61-665-6	5.40
1/2-20	50	61-666-4	3.80
9/16-18	50	61-667-2	4.80
5/8-18	25	61-668-0	3.50
3/4-16	25	61-669-8	7.50
7/8-14	10	61-670-6	6.00
1-14	10	61-671-4	9.00

## ALUMINUM PIANO HINGES



Aircraft Strip Piano Hinge complete with hinge pins. Used for all aircraft doors, control surfaces and cabinet work, etc. Measured flat will open 270°. Drill your own screw holes.

Width Open Inches	Length Inches	Item No.	Price Per Length
1-1/4"	28"	11-030-4	\$ .60
1-1/4"	36"	61-604-5	.60
1-1/4"	72"	61-605-2	1.20
1-1/2"	72"	61-424-8	1.20

## FLINT PAPER

No. 1/2 Grit. Comes in package of 100 sheets. Shipping Wt. 3 lbs.

Item No. 41-027-4 **\$2.00**

## SAFETY WIRE TWISTERS



Gives a perfect, uniform twist every time in a continuous one-hand operation. Grips twists, and cuts safety wires. Ratcheting action eliminates need to shift hands. No pushing necessary. Push-button lock has automatic squeeze release.

Model 109, 9" long. Shipping Weight 2 lbs. **\$16.75**  
Item No. 11-611-1

Model 120, 12" long. Shipping Weight 2 lbs. **\$16.75**  
Item No. 11-923-0

## SAFETY WIRE TOOL



Safety Wire Tool reaches into tight places, easy 1-hand operation, makes a fast and neat twist and will twist wire to .068 diameter. Shipping Wt. 1 lb.

Item No. 31-576-2 **\$2.50**

## MECHANICAL FINGERS



Mechanical Fingers reach over 16" into any 3/8" or larger opening. Spring loaded fingers grip object while retrieving.

Push button handle, plated finish. Flexible center section, bends up to 180°. Shipping Weight 1 lb.

Item No. 31-575-4 **\$3.00**

## THREAD COMPOUND



Easy to use; just wrap one turn of this soft white Teflon tape around the threads and assemble the joint. Resists acids, solvents, approved by Underwriters Laboratories. Roll size: 1/2" x 520". Shipping Wt. 1 lb.

Item No. 61-575-7 **\$3.00**

Parker Pipe Lube for all tubing connections. Shipping Weight 2 lbs. per Can. Item No. 61-164-0. **\$2.00**

## PRIMER FITTINGS



AN790-2 AN4024 AN780-2 WITHOUT JET  
Straight Type

AN No.	Item No.	Price
AN780-2	61-327-3	\$ .40
AN780-3	11-226-8	.50
AN780-4	61-339-8	.60

Elbow Type  
AN790-2 61-328-1 .45

WITH JET

"T" Type  
AN4024-2 61-338-0 1.00

## WING TYPE CLECO



Wing Type Cleco Fastener does not require an installation pier or tool. Simply insert fastener in hole and tighten wing nut.

Hole Size	Quantity	Item No.
3/32"	10	31-360-
1/8"	10	31-361-
3/16"	10	31-345-
1/4"	10	31-346-

Any of the above. **\$2.00**

## CLECO SKIN FASTENER



1. Cleco Skin Fasteners in hole sizes:

Hole Size	Item No.
3/16"	31-335-
1/4"	31-336-
5/16"	31-337-
5/32"	31-334-
11/32"	31-338-

Any 5 for **\$10.00**

4. Skin Tite Fasteners. Operates like Cleco but needs no gun for installation.

Hole Size	Item No.
3/32"	31-343-
5/32"	31-344-

Any 6 for **\$10.00**

## GROUNDING STRAP

1/4" Grounding Strap  
Item No. 61-172-3 - per 100' **\$3.50**

## HOSE CLAMPS



Stainless Steel Hose Clamps. 1" to 1-7/16" opening. Made by Wittek Mfg. Co. Type AN737RM46. Just released by government. Priced way below cost. Box of 25.

Item No. 61-376-0 **\$2.50**

## HOSE CLAMPS

UNIVERSAL CLAMPS for all sizes - from fuel lines to heater hose, up to 3-1/2" in diameter. Stainless Steel. Shipping Weight 2 lbs. Box of 10.

Item No. 61-171-5 **\$2.50**



WORM GEAR TYPE HOSE CLAMPS. Extra Long Take-up - Screwdriver Style.

Range of Sizes	Item No.	Box of 10
1" to 1-1/2"	61-146-7	\$3.00
1-1/2" to 2-1/4"	61-147-5	3.00
2-1/4" to 2-1/8"	61-148-3	4.00
2-1/8" to 3-1/8"	61-149-1	4.00



# Windshields and Cleaning Materials

**AIRCRAFT COMPONENTS, INC.** is Aviation's Largest  
Manufacturer of Civilian  
Aircraft PLEXIGLAS WINDSHIELDS

APPROVED UNDER THE  
F.A.A. PARTS MANUFACTURER  
APPROVAL CAR 1.55



- Crystal clear Ultra-Violet Absorbent Plexiglas.
- Thickness equal to (or thicker) than original equipment.
- Only Type II, Heat and Craze Resistant Plexiglas is used in our plant.
- Coated with rubber strippable finish for protection in handling during shipment and installation.
- Installation and maintenance instructions included with each windshield.



Hot plastic sheet is placed on special form and bent to the proper shape. Skill is required to obtain the correct curvature without distortion.

## AERONCA

Chief 1940-41..... 11-375-3 \$29.95  
L-3, TAL or Tandem.. 11-376-1 32.50  
Super Chief (no skylight) 11-377-9 28.50  
(We do not manufacture windshields for the 7AC, 11AC or 11BC.)

## BEECH

Bonanza windshield  
(use your frame).....  
Left side..... 11-379-5 23.50  
Right side..... 11-380-3 23.50  
Bonanza door window  
(use your frame)..... 11-382-9 25.50  
Bonanza left window  
(use your frame)---  
(less ventilator) .... 11-383-7 25.50

## BELLANCA

All models..... 11-378-7 \$45.60

## CESSNA

Model UC-78  
Left side..... 11-384-5 \$12.95  
Right side..... 11-385-2 12.95  
Model 120 or 140  
wide side post..... 11-386-0 39.50  
Model 120 or 140  
thin side post..... 11-387-8 42.50  
Model 170, Serial  
No. 18728 and up.... 11-388-6 42.50

## CULVER

Cadet..... 11-405-8 \$19.95

## ERCOUPE

All models  
Except "bubble type", 11-389-4 \$17.75

## FUNK

B, B75L, B85C, ('46) .. 11-390-2 \$28.00

## HOWARD

Model DGA15  
Left side..... 11-391-0 \$35.00  
Right side..... 11-392-8 35.00

## LUSCOMBE

Top surface curved... 11-393-6 \$35.00  
Top surface flat..... 11-394-4 35.00

**AIRCRAFT COMPONENTS, INC.**  
BENTON HARBOR, MICH. 49022, U.S.A.

Phone 616 925-8861

## PLASTIC SHEETS (VINYL) For Windows, Doors, etc.

CLEAR - 20" x 50"	
Item No. 11-362-1	\$ 2.60
Item No. 11-363-9	4.80
Item No. 11-364-7	6.75
Item No. 11-365-4	9.15
Item No. 12-173-1	11.15
Item No. 11-366-2	13.20

AMBER - 30" x 50"	
Item No. 21-280-3	\$7.50

GREEN - 20" x 50"	
Item No. 11-368-8	\$4.80

## NAVION

All models  
Left side..... 11-395-1 \$19.95  
Right side..... 11-396-9 19.95

## PIPER

Cub J-3..... 11-397-7 \$22.50  
Cub J-4..... 11-398-5 31.50  
Cub J-4, 1940-41 ... 11-399-3 34.50  
Cub J-5 Cruiser ..... 11-400-9 33.50  
Cub Super Cruiser (J-5A,  
J-5C, AE-1, HE-1) ... 11-401-7 40.00  
Model PA-11..... 11-402-5 30.00  
PA-12, late '46 and  
new Square Top Model 11-403-3 34.00  
PA-20 and PA-22..... 11-404-1 35.00

## STINSON

Models  
10, 10A, Voyager -  
Left side..... 11-406-6 \$15.50  
Right side..... 11-407-4 15.50

Model 105 -  
Left side..... 11-408-2 22.50  
Right side..... 11-409-0 22.50

Model L-5 -  
Left side..... 11-410-8 19.95  
Right side..... 11-411-6 19.95

Model 150 or 165 -  
Left side..... 11-424-9 25.50  
Right side..... 11-425-6 25.50

## SWIFT

Windshields - all models -  
extra heavy weight -  
Left side..... 11-426-4 \$14.50  
Right side..... 11-427-2 14.50  
Rear window - late model  
Left side..... 11-428-0 14.50  
Right side..... 11-429-8 14.50  
Rear window - early model  
Left side..... 11-430-6 14.50  
Right side..... 11-431-4 14.50

## TAYLORCRAFT

B, BC12D, incl. '48. 11-432-2 \$33.50  
Model L-2..... 11-433-0 32.95  
Model 15..... 11-434-8 40.00

\*type approval pending

## ENGINE CLEANING GUN



The Imperial Engine & Machinery Cleaner gives a powerful spray of Turco, Gunk or other solvents when mixed with compressed air which quickly removes all dirt and grease from machinery and engines. Gun comes furnished with 6' of tubing. Shipping Weight 2-1/2 lbs. Item No. 31-177-9 \$17.50

## GUNK POWER GUN



The GUNK POWER GUN used with GUNK SUPER CONCENTRATE replaces steam cleaner and does a better job of engine degreasing. Also use on parts, floors, machinery. Gun has both air and hose connection for GUNK or water. Also rinses and dries. Shipping Weight 5 lbs. Model GN101 - Item No. 61-402-4 LIST PRICE - \$33.25 DEALER NET - \$22.50

## NEW PLASTIC RUBBER WINDSHIELD CHANNEL



Perfect watertight fit on windshield and windows with new plastic-rubber moldable tape that swells to fill joint. 1/16" thick and 1-1/2" wide. Fit over edge of plastic, install and trim excess after installation. Will swell to fill joint. Tite-Pak No. 506. 100 foot roll does the windshield and windows in most aircraft. Shipping Weight 8 lbs. \$4.00 Item No. 61-341-4

## POLISHES & CLEANERS



## PLASTIC WINDSHIELD POLISH

This new polish removes all scratch marks and "haze" from all plastic windows and windshields. It contains a cleaner, polishing agent and an anti-static compound. Use with a wet cloth. It is also excellent for metals. Is in an 8 ounce plastic bottle, with instructions. Shipping Weight 2 lbs. Item No. 21-111-0 \$2.00

Dealer Carton of 12 ..... Each \$12.00

## METAL POLISH

Met-All Polish is a paste type material which is recommended for use on heavily oxidized aluminum or other metals. It has been tested and highly rated by Reynolds Aluminum Co. In addition to its easy polishing action, the polish has a silicone product that resists further corrosion. Packed in a two pound can, with a wide mouth for easy access. Shipping Weight 3 lbs. Item No. 21-245-6 ..... Each \$3.90

Dealer Carton of 12 ..... Each \$30.00



## GUNK CLEANING TANK

New GUNK CLEANING TANK for easier use for parts cleaning. One gallon of GUNK SUPER CONCENTRATE mixed with 9 gallons of kerosene or fuel oil fills tank. Comes with lifting basket, hinged cover, drain valve, & galvanized interior. Measures 22" x 19" x 32" high with caster wheels. Model No. GT-10. Item No. LIST PRICE DEALER NET \$32.95 61-401-6 \$54.95

## GUNK SUPER CONCENTRATE

GUNK SUPER CONCENTRATE is the aviation industry standard engine cleaning and degreasing solvent. Mixes with 9 parts of kerosene or fuel oil to make self-emulsifying liquid that washes off grease with water. Does not harm paint, cause rust, harm electrical system. No toxic fumes or vapors. A.N. Specification.

Part No.	Makes	Item No.	List Price	Dealer Net
SC-3	10 gal.	61-396-8	6.50	3.90
SC-5	50 gal.	61-397-6	30.00	18.00
SC-6	150 gal.	61-398-4	81.25	48.75
SC-7	300 gal.	61-399-2	147.00	88.20
SC-8	550 gal.	61-400-8	213.35	128.00

## GUNK ENGINE BRITE

### Grease and Oil Remover

Gunk is also available premixed-ready to use. Cleans all engines: Aircraft, Automobile, Power Mower, Marine and Tractor. Degreases concrete surfaces. Can be diluted with one or two parts petroleum solvent for routing shop parts degreasing in tanks.

Size	Part No.	Item No.	List Price	Dealer Net
5 gal.	EB-5	61-608-6	23.25	13.95
15 gal.	EB-6	61-609-4	68.25	40.80

## CARBON REMOVER AND CLEANER



Carburetor & Parts Cleaner - GUNK HYDROSEAL is a heavy duty fast acting, cold immersion type, carbon digester. This material will remove paint, strip gaskets, clean pistons of carbon deposits, clean cylinders, oil coolers, link rods/sludge, carbon and other deposits. Will not etch, rust, burn or leave a film on the materials cleaned. Non-toxic, non-caustic. All units come complete with self-contained cleaning basket.

Part No.	Can Size	Item No.	List Price	Dealer Net
HS3K	1-1/2 gal.	61-403-2	11.00	6.60
HS4	4 gal.	61-404-0	26.85	16.12
HS5	6 gal.	61-405-7	34.85	20.90

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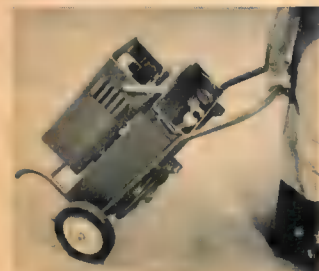


# Low Cost Magnaflux Portable Test Kits

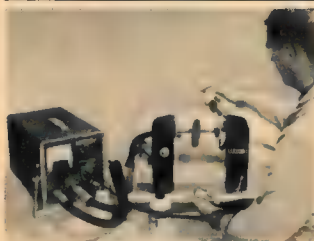
## MAGNAFLUX UNIT FOR AIRCRAFT REPAIR SHOPS

### New low cost portable combination Magnaflux-Magnaglo Tester

This is the lowest cost, yet complete, Magnaglo Unit to be introduced. It is completely portable and can handle almost any steel part found in aircraft overhaul work. It handles parts up to 6 inches in diameter and up to 20 inches long on the test stand, and any size part where cables and prods can be used. It furnishes both A.C. and D.C., magnetizing current for weld inspection and demagnetization. It detects fatigue cracks in castings, forgings, shafts, wheels, spindles, axles, bolts, etc. It goes below the surface in repair welds to locate lack of penetration, nonfusion, and flux inclusions. For best results and most versatility, select KH-09, if Magnaglo test stand is to be used.



This new Magnaflux Unit has been designed for the smaller repair station that cannot afford larger, more expensive equipment. These units work with either Standard Magnaflux Materials or with the Black Light Glowing Magnaglo Materials.



### Aircraft Shop Model

The type KH-07 operates on 110/60/1. Will be found excellent for weld inspection 1/4 inch or under. It will handle all but the largest parts in aircraft overhaul and preventive maintenance applications. Approximately 135 lbs. Item No. 12-186-3

**\$860.00**

### ACCESSORIES

#### Portable Accessory Test Kit

This kit contains necessary cable, prods, and expendable dry powder material, along with complete operating instructions for using the KH Units on welds, large castings, and large machine parts too big to handle in the Magnaglo Test Stand. If used frequently, the "carry-all" tote truck should be ordered with it. Approx. 50 lbs. Item No. 12-184-8

**\$149.00**

#### MAGNAGLO TEST STAND KIT

This complete kit includes 5 turn, 6 inch diameter magnetizing coil, control cord, test block, field indicator, necessary cables, and complete instruction manual in addition to black light kit #14708. Approx. 100 lbs. Item No. 12-183-0

**\$625.00**

### Heavy-Duty Model

Type KH-09 operates on 220 or 440 volts, (specify voltage desired on your order), 60 cycle, single phase current. This unit should be ordered for all weld inspection over 1/4" or if Magnaglo Test Stand is to be used. Approx. 140 lbs. Item No. 12-185-5

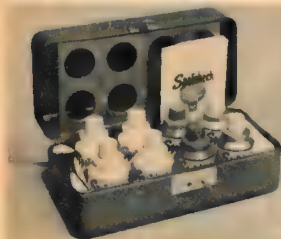
**\$1040.00**

### "Carry-All" Tote Truck

This item should be ordered if frequent portable inspections are to be made, such as welds on landing gear clusters or wheels. Approx. 80 lbs. Item No. 12-187-1

**\$100.00**

### SPOTCHECK TEST KIT



Here is a low cost, nondestructive test kit for accurately locating all fatigue cracks in any aircraft part regardless of whether it is magnetic or not. It meets all applicable Military Specifications. No electrical source is needed, so it can be used in both the shop and field. Kits contain penetrant, cleaner, and developer. There are eight 12 ounce pressurized cans in all. Complete instructions are furnished. Approx. 17 lbs. Kit SK-3 Item No. 12-188-9

**\$36.00**

### Replacement Materials

Case of 12 SKL-HF Penetrant Item No. 12-189-7 **\$34.80**  
Case of 12 SKD-NF Developer Item No. 12-190-5 **\$30.00**  
Case of 12 SKC-NF Cleaner Item No. 12-191-3 **\$24.00**

Mixed case of 3 penetrant, 3 developer & 6 cleaner (SK-1RA) Item No. 12-197-0 **\$30.00**

### SPOT-CHEK



### Aircraft Crack

#### Inspection Test Kit

Here is your chance to buy a Spotcheck Kit at a fraction of its regular price. The dye penetrant method of inspection with Spotcheck is a non-destructive test for defects open to the surface. It may be used on such materials as aluminum, magnesium, brass, copper, cast iron, steel, stainless steel, carbides, stellite, plastics, etc.

Spotcheck used in dye penetrant inspection is fully portable and convenient for shop or field use.

Complete Kit includes 2 gallons of Cleaner, 2 quarts SKL-1 Penetrant, 2 quarts SKD-1 Developer, 250 Towels, 3 Applicator Jars, 3 Brushes, Handy Carrying Tray and Steel Carrying Case 17" x 9-1/2" x 11" high.

Complete illustrated instructions included. Item No. 61-363-8 **\$12.50**

Magnaflux is a Magnetic Particle Test for defects in iron and steel parts using visible light. Magnaglo uses fluorescent light materials with the same equipment. Spotcheck is a dye penetrant test used with both magnetic and nonmagnetic materials. Zygo is similar except for the use of fluorescent black light dyes.



### ZYGO Black Light

#### Penetrant Test

Now, for the first time, the superior advantages and greater sensitivity of Zygo inspection is offered you in a low cost, portable kit that can be used anywhere.

Zygo, long accepted as a standard industrial test, detects cracks, pores, leaks, and other defects open to the surface in all materials. This ZA-43 Kit consists of penetrant, cleaner, and developer. In all there are eight 12 ounce cans, along with the powerful ZB-23A Black Light. The kit also contains wire brush, cleaning cloths, all in a rugged carrying case. Approx. 90 lbs. Item No. 12-192-1

**\$125.00**

### Zygo Materials

Case of 12 - ZL-22 Penetrant Item No. 12-193-9 **\$42.00**

Case of 12 - ZP-9 Wet Developer Item No. 12-194-7 **\$30.00**

Case of 12 - ZC-7 Cleaner Item No. 12-195-4 **\$24.00**

Case of 12 ZP-4 Dry Developer Item No. 12-198-8 **\$19.80**

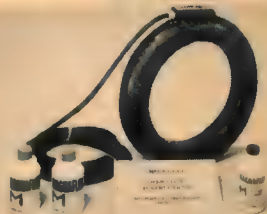
Mixed replacement carton No. ZY-1RA containing 3 penetrant, 3 developer and 6 cleaner. Case of 12 bottles in all. Item No. 12-199-6 **\$33.00**

### MAGNAGLO "BLACK LIGHT ACCESSORY KIT"



This is the highest quality, very high intensity black light kit. It can be used in lighted areas, even outdoors. It consists of the powerful ZB-23A Black Light, plus a generous supply of 14AM Magnaglo Suspension in 12 ounce pressurized cans, pre-cleaner, and all other items needed, including complete instructions for using this very sensitive Magnaglo method. Approx. 20 lbs. Item No. 12-196-2 **\$94.00**

### PORTABLE MAGNAFLUX INSPECTION COIL



This 10 inch (I.D.) diameter coil is used to find fatigue cracks in spindles, axles, shafts, and many small parts. It is quick and convenient and is a companion unit to the Y-5 Yoke Kit. It also makes an excellent demagnetizer. Approx. 40 lbs. Item No. 12-205-1 **\$195.00**

### ELECTRO MAGNETIC YOKE KIT



This lightweight (7 lb.) magnetizing yoke gets into locations difficult to test by any other means. It produced a very high strength magnetic field using only 110 volts, A.C. outlet. It may also be operated from a 12 volt automotive battery. The span is 5 inches between yoke arms. The complete kit, in heavy duty metal carrying case includes a generous supply of expendable materials and complete operating instructions. Approx. 45 lbs. Item No. 12-204-4 **\$145.00**

### COMBINATION COIL AND YOKE KIT



This kit combines both the Y-5 Yoke Kit and the L-10 Coil Kit at a substantial savings. Together they make a complete fatigue crack finding combination that is hard to beat for the price. For most sensitive results, you should order the No. 14798 Magnaglo Kit for the detection of very fine defects. Approx. 100 lbs. Item No. 12-206-9 **\$315.00**

### Magnaflux and Magnaglo Replacement Materials

Magnaflux powders: Three different colored powders are available in order to contrast with all surfaces. They are available in squeeze bottles, 1 lb., with sealant protection caps.

No. 1 Grey - Item No. 12-200-2  
No. 3A Black - Item No. 12-201-0  
No. 8A Red - Item No. 12-202-8

Case of 12 bottles priced at - **\$270.00**

### Magnaglo Suspension

Provides brilliant fluorescent indications and high sensitivity under black light. Push button. One dozen 12 ounce spray cans. Item No. 12-203-6 **\$300.00**



# Aircraft Rivets and Riveting Tools

## CHERRY RIVETS



### Brazier Head Type

Size	Grip	Type	Item No.	Price Per 100
1/8"	5/64"	163-4-2	11-454-6	\$2.00
1/8"	9/64"	163-4-4	11-455-3	8.00
1/8"	13/64"	163-4-6	11-456-1	4.00
1/8"	17/64"	163-4-8	11-457-9	4.00

5/32"	5/64"	163-5-2	11-458-7	2.00
5/32"	9/64"	163-5-4	11-459-5	2.00
5/32"	13/64"	163-5-6	11-460-3	2.00
5/32"	17/64"	163-5-8	11-461-1	2.00
5/32"	21/64"	163-5-10	11-462-9	2.00
5/32"	25/64"	163-5-12	11-463-7	2.00

3/16"	5/64"	163-6-2	11-466-0	2.00
3/16"	9/64"	163-6-4	11-464-5	2.00
3/16"	13/64"	163-6-6	11-465-2	2.00
3/16"	17/64"	163-6-8	12-770-4	2.00



### Hollow Type

1/8"	5/64"	117-4-2	11-436-3	2.00
1/8"	5/64"	317-4-2	11-467-8	2.00
1/8"	9/64"	117-4-4	11-437-1	2.00
1/8"	13/64"	317-4-6	11-468-6	2.00

5/32"	9/64"	117-5-4	11-438-9	2.00
5/32"	9/64"	317-5-4	11-469-4	2.00
5/32"	9/64"	1119-5-4	11-470-2	2.00
5/32"	17/64"	1119-5-8	12-779-5	2.00

3/16"	9/64"	117-6-5	11-439-7	2.00
1/4"	13/64"	117-8-6	11-440-5	2.00



### Countersunk Head Type

1/8"	5/64"	162-4-2	11-442-1	2.00
1/8"	17/64"	162-4-8	11-443-9	2.00

5/32"	9/64"	162-5-4	11-444-7	2.00
5/32"	13/64"	162-5-6	11-445-4	2.00
5/32"	21/64"	162-5-10	11-446-2	2.00

3/16"	9/64"	162-6-4	11-447-0	2.00
3/16"	13/64"	162-6-6	11-448-8	2.00

1/4"	13/64"	162-8-6	11-449-6	2.00
1/4"	29/64"	162-8-14	11-450-4	2.00
1/4"	33/64"	162-8-16	11-451-2	2.00
1/4"	41/64"	162-8-20	11-452-0	2.00
1/4"	57/64"	162-8-28	11-453-8	2.00

## HI-SHEAR RIVETS



Aircraft Hi-Shear Steel Rivet Pins. Type NAS Series 177. 100° flat countersunk head.

NAS 177-6-3 - Per 1000 ..... \$500  
Item No. 11-050-2

NAS 177-6-5 - Per 1000 ..... \$500  
Item No. 11-747-3

NAS 177-6-4 - Per 1000 ..... \$500  
Item No. 11-013-0

NAS 177-6-6 - Per 1000 ..... \$500  
Item No. 11-014-8

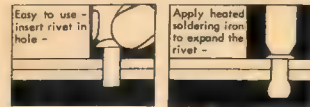
NAS Series 178 Flat Binding Head.  
NAS 178-6-3 - Per 1000 ..... \$500  
Item No. 11-049-4

NAS 178-6-4 - Per 1000 ..... \$500  
Item No. 11-049-4

NAS 178-6-6 - Per 1000 ..... \$500  
Item No. 11-016-3

## DUPONT RIVETS

Easiest and fastest to use of all rivets on both repairs and new work, DuPont rivets can be installed from one side only. No bucking bars or air riveting guns when the heads are touched with a soldering iron.



### Brazier Head Type

Dia-meter	Thickness Grip Range	Mfgs. Part No.	Item No.
1/8"	.085"- .104"	127A-10	11-479-3
1/8"	.105"- .124"	127A-12	11-480-1
1/8"	.125"- .144"	127A-14	11-481-9
1/8"	.145"- .164"	127A-16	11-482-7
1/8"	.205"- .224"	134A-22	11-483-5
1/8"	.285"- .304"	134A-30	11-484-3

5/32"	.045"- .064"	173A-6	11-492-6
5/32"	.025"- .085"	P565-173A-8	12-768-8
5/32"	.065"- .084"	173A-8	11-493-4
5/32"	.085"- .104"	173A-10	11-494-2
5/32"	.125"- .144"	173A-14	11-495-9
5/32"	.145"- .164"	173A-16	11-496-7
3/16"	.085"- .104"	204A-10	11-509-9
3/16"	.105"- .124"	204A-12	11-509-7
3/16"	.225"- .244"	204A-24	11-510-5
3/16"	.245"- .264"	204A-26	11-511-3
3/16"	.265"- .284"	204A-28	11-512-1
3/16"	.285"- .304"	204A-30	11-513-9
3/16"	.305"- .324"	204A-32	11-514-7
3/16"	.405"- .424"	204A-42	11-515-4
3/16"	.425"- .444"	204A-44	11-516-2
3/16"	.465"- .484"	204A-48	11-517-0

Any of the above rivets - 100 for (minimum order 100 per size) \$200  
Specify Item No. when ordering.

### Countersunk Head Type

Dia-meter	Thickness Grip Range	Mfgs. Part No.	Item No.
1/8"	.045"- .085"	P565-134-100-8	12-767-0
1/8"	.065"- .084"	134-100-8	11-485-0
1/8"	.085"- .104"	134-100-10	11-486-8
1/8"	.105"- .124"	134-100-12	11-487-6
1/8"	.125"- .144"	134-100-14	11-488-4
1/8"	.145"- .164"	134-100-16	11-489-2
1/8"	.245"- .264"	134-100-26	11-490-0
1/8"	.305"- .324"	134-100-32	12-780-3

5/32"	.105"- .124"	173-100-12	11-497-5
5/32"	.125"- .144"	173-100-14	11-498-3
5/32"	.145"- .164"	173-100-16	11-499-1
5/32"	.165"- .184"	173-100-18	11-500-6
5/32"	.185"- .204"	173-100-20	11-501-4
5/32"	.205"- .224"	173-100-22	11-502-2
5/32"	.225"- .244"	173-100-24	11-503-0
5/32"	.245"- .264"	173-100-26	11-504-8
5/32"	.265"- .284"	173-100-28	11-505-5
5/32"	.305"- .324"	173-100-32	11-506-3
5/32"	.325"- .344"	173-100-34	11-507-1

3/16"	.125"- .144"	204-100-14	11-518-8
3/16"	.145"- .164"	204-100-16	11-519-6
3/16"	.165"- .184"	204-100-18	11-520-4
3/16"	.185"- .204"	204-100-20	11-521-2
3/16"	.205"- .224"	204-100-22	11-522-0
3/16"	.225"- .244"	204-100-24	11-523-8
3/16"	.265"- .284"	204-100-28	11-524-6
3/16"	.325"- .344"	204-100-34	11-525-3
3/16"	.365"- .384"	204-100-38	11-526-1
3/16"	.405"- .424"	204-100-42	11-527-9

Any of the above rivets - 100 for - (minimum order 100 per size) \$200  
Specify Item No. when ordering.

## RIVNUT KEYSEATING TOOLS

Keyseating Tool. Shipping Weight 2 lbs. Item No. 31-011-0 ..... \$750

## RIVNUT TOOLS

Replacement drawbolts or pull-up studs for 6-32 Rivnut Tools. Shipping Weight 1 lb. Item No. 31-561-4 ..... \$200

## STAND RIVETER



Chicago Pneumatic Stand Riveter Model CP450 with 12" throat and 2-3/4" opening Mounts on pedestal on stand. Complete with foot operating control. Surplus. Item No. 31-588-7 ..... \$45000



Model 20T Pneumatic Riveter, Mfg. by the Hanna Engineering Works, has a 37" throat with a 4-1/4" gap. Serial No. 5844, has the following parts: 1 foot control, air trap, die, 3 pieces of hose, pipe and end wrench. Item No. 31-364-3 ..... \$75000

48" Throat Stand Type Squeeze Riveting Machine. General Engineering Model GMR with 48" throat in "C" frame. 30 ton capacity. Will install several rivets at one time. Item No. 31-370-0 ..... \$150000

## PNEUDRAULIC RIVETER



Pneudraulic Riveter unit Model 105G, Mfg. by LeRoi. Unit has 2 styles of squeezers as shown in picture: 2" gap with 2-1/2" throat; 3-1/2" gap with 5-1/2" throat. Complete unit is 31" high. Surplus. Item No. 31-366-8 ..... \$50000

## AIR FORCE PARTS CASE



Air Force Tool and Parts Case. Extra heavy construction with reinforced metal edges and corners. Leather handles, extra sturdy latches. Easily worth \$30.00 or more.

22" x 24-1/2" x 12" - Shipping Weight 53 lbs. Item No. 21-252-2 ..... \$500

## RIV-NUT CLINCH TOOL KIT



Complete tool kit packed in compartmented carrying case with room for assorted rivnuts. Riv-nuts are used for installing de-icer boots, etc. Shipping Weight 7-1/2 lbs. Item No. 12-487-5 ..... \$3250

## RIVET CUTTER



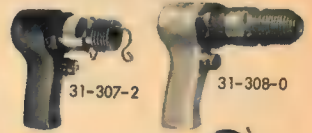
Riv-Kut Aluminum Rivet Cutter. Trims rivets to any pre-set length up to 5/8" long. Cuts rivets 3/32" to 3/16" diameter. Shipping Weight 2 lbs. Item No. 31-140-7 ..... \$640

## RIV-N-JECTOR



Rivet Shooter. Shipping Weight 1 lb. Item No. 31-553-1 ..... \$200

## AIR RIVETING GUNS



Air Riveting Guns for repair and maintenance work on your aircraft. The tools described are surplus and have all been checked out and are in perfect running condition. Manufactured by Thor, Chicago Pneumatic, etc.

Short Item No. 31-307-2  
Medium Item No. 31-308-0  
Long Item No. 31-312-2 ..... \$3750

## RIVNUTS

Thickness to be riveted	Head Type	Part No.	Item No.
Thread Size: 6-32			
.121"- .140"	Flat	6K140	11-694-7
.105"- .146"	Ctsk	6B146	11-696-2
Riv-Nut Screw Plugs for 6-32 Rivnuts, B226-2. For Mounting De-Icers, blind riveting, labels. Package of 100			
Item No. 11-706-9 ..... \$200			
Package of 100 ..... \$200			

## ADJUSTABLE STOP COUNTERSINKS



Aircraft Stop Countersink Holder made by Aircraft Tool Co. Adjustable for various depths of cut, takes the standard 1/4" aircraft type cutters. Measures 5/8" x 2-3/4" long. Brand New. Shipping Wt. 1 lb. Item No. 31-152-2 ..... \$350



# Tools for the Professional or Hobbyist



## TINY PRECISION HAND TOOLS For Sportsman, Hobbyist, or Professional

SC-5 Tiny Screw Driver & Awl Set (SCREW DRIVER SIZES .055", .070", .080", .100", Awl).

PA-5 Tiny Phillips Driver & Allen Type Wrench Set (PHILLIPS DRIVERS #0, #1, ALLEN TYPE WRENCHES #4, #6, #8).

SW-5 Tiny Socket Wrench Set SOCKET WRENCH HEX SIZES 5/64", 3/32", 7/64", 1/8", 5/32".

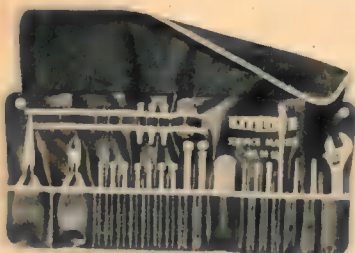
OE-5 Tiny Offset Open End Wrench Set (WRENCH SIZES 5/64", 3/32", 7/64", 1/8", 5/32").

TS-5 Tiny Tap Set (TAP SIZES 0-80, 1-72, 2-56, 3-48, 4-40).

#70 Tiny Tap Drill Set. A companion piece to TS-5 Tiny Tap Set. DRILL SIZES 3/64", #53, #50, #47, #43.

Moody Master Precision Tool Kit complete with leatherette case. Shipping Weight 1 lb.

Item No. 11-865-3 **\$22.95**

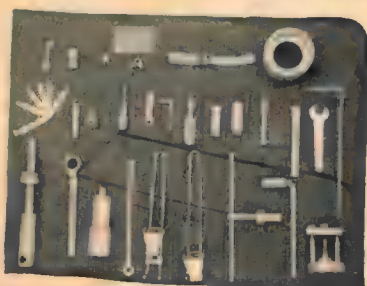


## AIRCRAFT & MARINE TOOL KIT

### For Minor & Emergency Repairs

This versatile 23 piece set of quality tools in a durable, roll-up plastic-coated canvas case provides a variety of quick-change tools and tool combinations to speed up assembly and service work.

Set includes: 6" long nose cushion grip plier, 5" diagonal cushion grip plier, 6" thin-pattern adjustable wrench, regular handle, 3 stubby handles, 9 nutdrivers, 3 stubby nutdrivers, phillips screwdriver, 2 slotted screwdrivers, 2 reamers, extension blade and canvas case. Xcelite No. 995M. Shipping Wt. 4 lbs. Item No. 31-583-8 **\$23.65**



## PRATT & WHITNEY TOOL KIT

Pratt and Whitney Assorted Tool Kit. This kit is made up of 30 pieces of assorted Pratt and Whitney aircraft engine tools and holder. Due to our varied stock, kits may vary slightly from the items shown in the picture.

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but for the most part will include most of the tools illustrated.

Tools are estimated to list at over \$300.00 and are offered at the closest price of only \$24.95. Satisfaction guaranteed or your money back. Shipping Weight 20 lbs. Item No. 31-577-0 **\$24.95**



## P & W R-2800 ENGINE OVERHAUL TOOL KIT

#35 Canvas Tool Bag  
#211 Tool Bag  
#459 Depressor  
#1059 Mirror  
#1392 Depressor

#1395 Drift  
#1424 Wrench  
#1471 Wrench  
#1886 Wrench  
#2254 Wrench

Priced way below list. Shipping Weight 6 lbs. Item No. 31-548-1 **\$11.00**



## CLOSE-CLEARANCE RATCHET

Two-way positive ratchet action for "hard-to-get-to" spots. Widely used in the aircraft and missile industry for building and servicing engines. 12-point heads. 10 sizes available from 3/16" to 1/2". Shipping Weight 1-1/2 lbs.

Size	Type	Item No.
3/16"	412-188	11-925-5
7/32"	412-219	11-926-3
1/4"	412-250	11-927-1
9/32"	412-281	11-928-9
5/16"	412-313	11-929-7
11/32"	412-344	11-930-5
3/8"	412-375	11-931-3
7/16"	412-438	11-932-1
15/32"	412-469	11-933-9
1/2"	412-500	11-934-7
Any of the Above		<b>\$12.50</b>

## CROW FOOT WRENCHES



Wright 84258 Measures 2-7/8" O. C. Shipping Weight 3 lbs. Item No. 71-704-1 **\$5.00**

NAF210720-1, 1 1/16" nut. Shipping Wt. 3 lbs. Item No. 71-705-8 **\$5.00**

Wright 82844, 5/8" nut. Shipping Wt. 3 lbs. Item No. 71-706-6 **\$5.00**

## ENGINE LIFTING EYE



Engine Lifting Eye with automatic safety catch. Measures 8" Overall. Shipping Wt. 5 lbs. Item No. 71-707-4 **\$5.00**

## BEADING TOOLS



Complete set of Parker Hand Tools for beading steel or copper tubing for rubber coupling hoses, etc. Kit No. 416 for 1/4", 3/8", 1/2", 5/8", 3/4" and 1" tubing in compartmented tool box with holder. Brand new. Shipping Weight 10 lbs. Item No. 31-032-6 **\$12.75**

## SNAP RING PLIERS



Snap Ring Pliers are used to install or remove internal external retaining rings of the Tru-Arc type. Included are both straight angle tips for various rings. Heat treated handles, plastic case. Milbar Type A.

Shipping Weight 2 lbs. Item No. 11-924-8 **\$5.00**

## HIGH SPEED AIR DRILL



This high-speed air drill is a durable, trouble-free tool. Compactly designed for close-quarter work - particularly aircraft. Cannot be damaged by overload. No gears, direct drive. No electric shock hazard. Also, excellent for burring, grinding or honing. Plenty of power! Operates on 125 to 150 lbs. of air pressure. New manufacture.

Trigger control valve gives variable speeds from 500 to 18,000 rpm. Shipping Wt. 3 lbs. Model FP300 with 1/4" chuck. Item No. 12-282-0 **\$37.50**

Model FP300 with 3/8" chuck. Item No. 12-283-8 **\$38.50**

## OFFSET DRILL ADAPTER



This offset drill adapter fits standard Jacobs Chuck 1/4" or larger. For close work takes 1-32 collet adapters. Measures 2" x 3-1/4" x 7/8". Total offset distance 2-1/2" makes it ideal for all close work. It also solves those tough drilling problems. Makes an ideal tool for a mechanic's tool box. Shipping Weight 2 lbs. Item No. 31-331-2 **\$7.50**

## ANGLE DRILL ADAPTER



With the 45° head to fit 1/4" Collets. Shipping Wt. 2 lbs. Item No. 31-006-0 **\$7.50**

## RIGHT ANGLE DRILL ADAPTER



Right Angle Drill Adapter has a 1/4" shaft, and fits 5/16-24" chuck. Shipping Weight 2 lbs. Item No. 31-579-6 **\$15.00**

## SLEEVE-PULLER INSTALLERS



## Speed re-sleeving of gas & diesel engines

Gas and Diesel Engine Cylinder Sleeve Pulling Kit. Installs and removes both wet and dry cylinder sleeves for gas or diesel engines. Size 4-1/4" to 5-3/4". Complete with adapter plates for removal of wet cylinders size 15 through 28. Dry cylinder removal size 12 through 18.

Installation plates size 3 through 5. Owatonna Tool Co. Part No. FSN5120-417-2952. Model No. 970. Item No. 11-752-3 **\$100.00**

## DZUS TOOL KITS



Dzus fastener installation tool kits include punches and dies for installing Dzus fasteners and grommets. Each size Dzus requires its own size tool kit. Shipping Weight 2 lbs.

Tool Kit Size A3 Item No. 31-321-3... **\$5.95**

Tool Kit Size FO3 Item No. 31-322-1... **\$5.95**

## AIR PUMP



Hand air pump for inflating air bladders, inner tubes, footballs, etc. Wood knob handle, brass barrel, hose and connector. Shipping Weight 2 lbs. Item No. 21-271-2 **\$2.50**

## METAL CUTTING SHEARS

Burke-Docken Aircraft Industrial metal and power cutting shears. An expensive tool that will save time and money. Cuts metal up to 18 gauge, formica and plastics 1/16". Leaves a clean edge, fast operating, portable, makes straight contour cuts and will form a hole as small as 3/16".

Used by Air Force, Grumman, Boeing, Republic and Cessna.



Electric Model, Type 0021 115 volts, 25-60 cycle, DC. Shipping Wt. 4-1/2 lbs. Item No. 31-562-2 **\$79.00**



Pneumatic Air Driven Model Type 002A, Shipping Weight 2-1/2 lbs. Item No. 31-563-0 **\$159.00**

## THOMAS AND BETTS ELECTRIC TERMINALS AND TOOLS



Terminal Size	Tool No.	Item No.
Small and Medium	T21040	31-51
Medium	21041	31-51
Large	21043	31-51
Very Large	WT-115	12-76

Any of the Above ..... **\$5.00**

## ELECTRIC TERMINAL

Electric Wire Terminal Thomas & Betts "WEDGE ON". Assortment of 100 insulated terminals. Shipping Weight 2 lbs. Item No. 11-269-8 **\$5.00**



# Aircraft Control Cables and Tools

## CABLE TENSION TESTER



Cable Tension Tester for use on all aircraft cables up to 5/32" diameter. Ratchet type handle locks instrument on the cable. Shipping Weight 3 lbs. Model No. C-4.

Item No. 31-026-8

**\$895**

## CABLE TENSIONMETER



Cable Tensionmeter Type C-9 for checking control cable tensions up to 450 lbs. maximum tension, 150 minimum. For use on 1/8, 5/32, 3/16, 7/32, and 1/4 cables.

Scissor type action clamps over the cable while reading. For use on aircraft, sailboats, industry, and for any other purpose where it is necessary to adjust and check cable tensions. Manufactured by WAC Engineering Co. Spec. MIL-T-7639. Mfg. Part No. 19739. Complete with carrying case and instructions. Surplus, excellent condition. Shipping Wt. 6 lbs.

Item No. 31-573-9

**\$6000**

## GENERAL PURPOSE

### STEEL CABLE



General Purpose stranded steel cable (not aircraft) for any use requiring an inexpensive type material for guying, fencing, or other light duty uses.

Size	No. of strands	Item No.	Per 100 feet
1/32"	7	61-317-4	\$1.00
3/64"	7	61-318-2	\$1.00
3/64"	19	61-319-0	\$2.00
1/16"	19	61-320-8	\$3.00

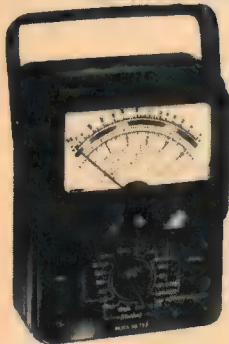
## COLOR CODING TAPE

For color coding aircraft electrical, fuel and oil systems. Fuel, oil and water resistant. Consists of 6 assorted colors. Self sticking vinyl plastic tapes in white, red, blue, yellow, green and orange. 6 rolls - 1/2" x 240". Model No. JM 1685.

Item No. 12-895-9

**\$400**

## MECHANIC'S ELECTRICAL TESTER



This Universal Test Instrument features 26 ranges, mirrored scale, sensitive 1% matched precision resistor circuitry, sensitivity is 20,000 ohms/volt D.C.

### SPECIFICATIONS:

Checks voltage, both AC and DC: 2.5, 10, 50, 250, 1,000, 5,000.

Checks current: 50 micro-amps, 2-1/2 mill amps, 25 mA, 250 mA, 10 amps.

Checks ohms: 0 to 10K, Rx10, Rx100, Rx1,000.

Measures 7" x 5" x 3-1/2". Comes complete with batteries and heavy-duty test leads. Shipping Weight 6-1/2 lbs.

Item No. 11-610-3

**\$2650**

## UNIVERSAL NICOPRESS CABLE TOOL



Nicopress Cable Splicing Tool for making eye splices and end to end splices in aircraft control cables. FAA approved method.

Nicopress Tool No. 64-C-G-M-P has four compression grooves in the head of the tool. This one tool may be used to compress the four sizes of oval sleeves for eye splicing 1/16", 3/32", 1/8" and 5/32" cable. Shipping Weight 5-1/2 lbs.

Item No. 11-863-8

**\$4500**

Nicopress cable splicing tool for 1/16" cable only.

Item No. 31-477-3

**\$3825**

Nicopress cable splicing tool for 3/32" cable only.

Item No. 31-300-7

**\$3825**

## NICOPRESS SLEEVES

NicoPress Sleeves for Aircraft Cable-use with NicoPress tool.

Size	Item No.	Pkg. of 25
1/16"	31-367-6	\$2.00
3/32"	31-013-6	\$2.00
1/8"	31-014-4	\$2.00
5/32"	31-368-4	\$3.00

## CABLE GRIPS



Cable Pulling Grips. Manufactured by Klein-Chicago.

Part No. 1628-16. Cable Size: .312" to .625". Maximum opening: 69". Safe load: 15,000 lbs. Shipping Weight 3 lbs.

Item No. 61-430-5

**\$1500**

## PULLEY ASSEMBLY

A3A Autopilot Pulley Assembly. Part No. 178841.

Item No. 71-609-2

**\$100**

## AIRCRAFT GALVANIZED CONTROL CABLE

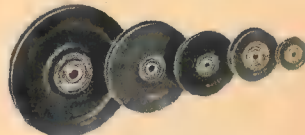
Size	Part No.	50'	100'	200'	500'	1000'
1/16" - 7 x 7	12-896-7	\$3.00	\$4.90	\$9.10	\$21.00	\$38.50
3/32" - 7 x 7	12-897-5	3.38	6.30	11.70	27.00	49.50
1/8" - 7 x 19	12-898-3	5.25	9.80	18.20	42.00	77.00
5/32" - 7 x 19	12-899-1	5.78	10.78	20.02	46.20	84.70
3/16" - 7 x 19	12-900-7	6.75	12.60	23.40	54.00	99.00
1/4" - 7 x 19	12-901-5	8.63	16.10	29.90	70.84	126.50

## AIRCRAFT STAINLESS STEEL CONTROL CABLE

Size	Part No.	50'	100'	200'	500'	1000'
1/16" - 7 x 7	12-902-3	\$ 3.57	\$ 7.28	\$13.52	\$31.20	\$57.20
3/32" - 7 x 7	12-903-1	7.13	13.30	24.70	57.00	104.50
1/8" - 7 x 19	12-904-9	14.55	27.16	53.04	116.40	213.40
5/32" - 7 x 19	12-905-6	15.30	28.56	54.24	122.40	224.40
3/16" - 7 x 19	12-906-4	15.98	29.82	55.38	127.80	234.30
1/4" - 7 x 19	12-907-2	24.53	45.78	85.02	196.20	359.70

## CONTROL CABLE PULLEYS

Aircraft Control Cable Pulleys, The AN 210 series are Formica body with ball bearing hubs. Other pulleys are Formica with Bronze bushings. Both types are interchangeable and standard replacement units.



Cable Size	Diameter	Hole	Bearing	Type	Item No.	Price
1/16-3/32	1-1/4"	3/16"	ball	AN214-1	11-876-0	\$1.00
1/16-3/32	1-1/4"	3/16"	ball	AN210-1A	61-300-0	1.50
1/16-3/32	2-1/2"	3/16"	ball	AN210-2A	61-301-8	.40
1/8-3/16	2"	1/4"	bronze	AN210-3P	11-877-8	1.25
1/8-3/16	2"	1/4"	bronze	AN214-3	11-878-6	1.25
1/8-3/16	1"	1/4"	fibre	524447	61-306-7	.30
1/8-3/16	2-1/2"	3/8"	bronze	SP-100	61-307-5	.40
1/8-3/16	3-1/2"	3/8"	bronze	AN210-4	12-252-3	1.00
3/16-1/4	6"	3/8"	ball	AN210-6A	61-305-9	1.50

## COMPRESSION TESTER



Eliminates guess-work, finds broken rings, exhaust valves, etc.

A positive method of finding broken rings before major damage occurs - escaping air from crankcase breather shows a broken ring. Complete with adapter, hose regulator and intake valve. Comes complete with adapter, hose, regulator. Shipping Weight 4 lb.

Item No. 11-759-8

**\$5250**

## NEW TYPE COPPER EXHAUST GASKETS PREVENT FIRES



New style Ward Aircraft Engine Exhaust Manifold Gaskets designed to eliminate in-flight engine fires caused by blown gaskets. Specify make and model of engine on order. Complete kit for any Continental or Lycoming 6 cylinder engine. Shipping Wt. 1 lb.

Item No. 61-442-0

**\$600**

For 4 cylinder engine. Shipping Wt. 1 lb.

Item No. 61-443-8

**\$400**

## CABLE SPlicing CLAMP



This clamp holds aircraft control cable for splicing. It may be used in a vise or hand held. Complete with hold down clamp and a swivel lock screw. Mfg. by Patrick McDermott and Co. Shipping Weight 3 lbs.

Item No. 31-022-7

**\$250**

## ASBESTOS OIL TANK COVER KITS FOR CONTINENTAL ENGINES



4 and 5 Qt. size Tank and Intake Cover Kit. Shipping Weight 2 lbs.

Item No. 12-484-2

**\$800**

6 Qt. size Tank and Intake Cover Kit. Shipping Weight 2-1/2 lbs.

Item No. 12-485-9

**\$800**

## TOGGLE SWITCH



Triple Pole Toggle Switch. Single hole mounting type. Precious metal contents. Shipping Weight 2 lb.

Item No. 11-699-6

10 for

**\$250**

## SILICON CARBIDE ABRASIVE PAPER

No. 80 Grit, 9" x 11" size sheet. Comes in package of 50 sheets. Shipping Weight 2 lbs.

Item No. 41-014-2

**\$250**

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# Aircraft Lighting Equipment & Hardware

## ROTATING BEACON



Whelen Beacon has a very intense 3,000 candle power beam and measures only 4" x 3-7/8". Shipping Weight 2 lbs.

24 volt - Item No. 81-191-9  
12 volt - Item No. 81-192-7

**\$37 50**

Also available with a modified base to fit the Cessna and Piper Adapters.  
12 volt - Item No. 81-201-6  
24 volt - Item No. 81-202-4

**\$37 50**

## GRIMES ROTATING BEACON



Grimes Rotating Beacon with teardrop design. Uses sealed beam lamps. Measures 11" long x 4-1/2" wide with red lens. 24 volt. Part No. G-6965-6. Shipping Weight 6 lbs.  
Item No. 11-729-1

**\$75 00**

## WING TIP LIGHTS



Tail rudder position light assembly. Part No. AN3091-2. White frosted lens measures 3/4" diameter. Uses any voltage lamp. Shipping Weight 1-1/2 lbs.  
Item No. 81-636-3

**\$3 00**

Aircraft tail light assembly with clear white lens measuring 2" in diameter. Grimes Model C. Uses any voltage lamp. Shipping Weight 1-1/2 lbs.  
Item No. 81-637-1

**\$4 00**

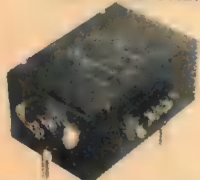
Wing tip light with 2" green lens. Grimes Model T. Uses any voltage lamp. Shipping Weight 1-1/2 lbs.  
Item No. 81-639-7

**\$4 00**

Wing tip light with 2" red lens. Grimes Model T. Uses any voltage lamp. Shipping Weight 1-1/2 lbs.  
Item No. 81-638-9

**\$4 00**

## AIRCRAFT WING LIGHT FLASHER UNIT

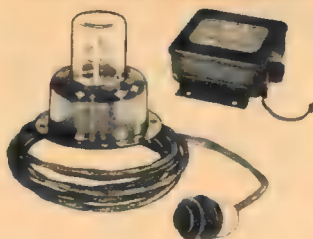


Zinmeister Flasher Unit, for all 12 volt aircraft, flashes approximately every second and is designed to be fail-safe and trouble-free. If a lamp burns out, the others will continue to flash. In the event the unit fails to flash, the lights will burn continuously. Flasher should continue to operate for the life of the plane-barring mistreatment such as a short circuit in the lamp wiring. Shipping Weight 2 lbs.

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Item No. 81-596-9 **\$32 50**

## NOW... A RELIABLE LOW-COST STROBE LIGHT!



**Small Size, FAA Approved Waterproof, and Noise Free Surface Mounted, No Damage to Aircraft**

The OMNI-STROBE Mark 1 is an electronic strobe lamp anti-collision system designed for aircraft use. The high intensity blue-white flash of the OMNI-STROBE gives positive visual identification of where you are--to other aircraft as well as that important man in the tower.

Both the lamp and power supply are completely sealed and moisture proof. The OMNI-STROBE will even operate completely submerged in water.

Completely solid state--uses no motors, relays or other low reliability components. Periodic maintenance is not required.

The OMNI-STROBE system can be easily expanded to a dual lamp or multi-lamp installation. As many strobe lamps as desired can be added at any time, and it is not necessary to discard any part of the original strobe system. All lamps in a multi-light installation flash simultaneously.

The OMNI-STROBE uses highest quality American-made components; because of this Winn Avionics will replace or repair, without charge, any power supply or lamp assembly which fails within one year or 1000 hours--whichever occurs first from date of installation.

WEIGHT - under two pounds installed  
SIZE - power supply - 1-3/4 x 3-1/2 x 4 lamp - 3-3/4 x 3-1/2 dia.

POWER INPUT - 1.5 amps at 14 volts or 0.9 amps at 28 volts

FLASH RATE - 55 flashes per minute

VISIBILITY - 50 miles in clear air

FAA APPROVED - fully certified for unrestricted day/night operation STC #SA1446 WE. FAA - PMA

INSTALLATION TIME - about four hours

12 Volt Model  
Item No. 12-722-5 **\$210 00**

24 Volt Model  
Item No. 12-723-3 **\$210 00**

## MAP LIGHT



New All-Purpose Instrument Panel and Map reading light with removable red lens. Light is mounted on a full 360° tilting base and can be focused from a small spot to a large flood.

In addition, the light has a variable rheostat for dimming and a momentary bright light position button. Operates on 6, 12 and 24 volts, merely by replacing miniature bayonet bulb. 4" long, 3 1/2" high and 1 3/4" diameter. Shipping weight 2 lbs. type C-7 Brand New.  
Item No. 81-567-0 **\$10 00**

## 16 MM "GUN" TYPE REMOTE CONTROL MOVIE CAMERA



Gun Camera, Type N-6. This is the famous Air Force electrically operated camera, used on aircraft for filming battle scenes.

Just released by the Government, these units are offered at a fraction of their cost. Complete with F-3.5 coated lens, 35MM. Unit measures 7" x 3-1/2" x 2-1/2". Uses standard 16 millimeter film cartridges, black and white or color. Surplus. Shipping Weight 4 lbs.

Item No. 21-402-3 **\$27 50**

Electrical connectors to fit Electrically Operated Gun Type Movie Camera. Breeze E-1002-3-160 (AD). Shipping Weight 1 lb.  
Item No. 11-698-8 **\$2 50**

## RETRACTABLE LANDING LIGHTS



GRIMES AN-3095 - Recommended type for medium and large aircraft. Completely automatic lights when extended, turns off when retracted and has an 8" diameter lens. 2000,000 beam candle power - with 250 watt Sealed Beam Lamp - Shipping Weight 10 lbs.

12 Volt  
Item No. 81-144-8 **\$2 500**

AN3095, 24 volts, 250 watts.  
Item No. 81-145-5 **\$2 500**

500 beam candle power with 600 watt Sealed Beam Lamp, 24 volt.  
Item No. 81-148-9 **\$2 500**

GRIMES ST-1220, 240 watt prefocused bulb, 8" diameter lens. Shipping Weight 8 lbs.

12 Volt Bulb -  
Item No. 81-149-7 **\$2 500**

24 Volt Bulb -  
Item No. 81-146-3 **\$2 500**

## FLASHER MECHANISM



Flasher Mechanism for Airport Beacon or Obstruction lights flashes lights on and off for increased attention and safety. In watertight case. Shipping Wt. 4 lb.  
Item No. 81-249-5 **\$7 50**

Extra Cords for 8-2 Runway Lights. Shipping Weight 2 lb.  
Item No. 81-244-6 **\$1 00**

## MODEL K25B AIRCRAFT CAMERA



**Takes 4x5 in. Pictures Automatic**

Model K25B Air Force Camera takes 4" x 5" pictures on roll film. When electrically operated, it will take 55 frames in rapid succession.

Comes complete with Kodak f4.5, 161mm Anastigmat lens. Shutter speeds are 125, 250 and 500th of a second. Diaphragm opening f22, 16, 11, 8, 6.3, 5.6, and 4.5. Other features include film counter, 2 volt D.C. motor drive, 3.2 amps.

These cameras were just released by the Air Force as surplus. Used, but appear to be in excellent condition. Complete with compartmented carrying case. Unit measures 11" long, 7" wide, 8" high. Shipping Weight 12 lbs.

Item No. 11-273-0 **\$12 50**

Model K25, Type 84GE Aircraft Camera made by Gorden Enterprises, Hollywood California. Air Force Surplus. Shipping Weight 24 lbs.

Item No. 11-774-7 **\$12 50**

## GUN SIGHT CAMERA



**Electrically Operated, Super Compact**

Model CG-4 Gun Sight Camera uses 16mm film, black and white or color. Electrically operated from any 24 volt D.C. electrical system or battery pack.

Wollensak lens, 35mm focal length. Shutter speed adjustable for 1/100 or 1/200. Lens openings: Bright, hazy, dull. Automatic footage counter.

Will also operate from 110 V circuit if used with transformer.

Contains miniature motor. Lens opening is on side of camera. Internal prism, adjustable focus on lens.

Compact Size: 1-1/4" x 3-3/8" x 5-1/2". Just released as surplus by Air Force. Appears to be in excellent condition. Shipping Weight 3 lbs.  
Item No. 11-279-7 **\$27 50**

**AIRCRAFT COMPONENTS, INC.**  
BENTON HARBOR, MICH. 49022, U.S.A.

Phone 616 925-8863



# Airport Runway Lighting Equipment

can be seen for miles



## Flaming Orange FLUORESCENT WINDSOCK

Wind direction will be apparent even on overcast days with our high visibility windsocks of fluorescent plasticized cloth in a flaming orange. It is our own invention and pilots tell us it can be seen for miles on dull days. The plasticized cloth sheds rain and snow, making it more weatherproof than ordinary windsocks. Well secured brass eyelets fasten the cone.

Comes in two sizes to fit standard frames.  
5' long, 18" large diameter.  
Shipping Wt. 2 lb.  
Item No. 21-181-3 ..... \$7.50  
7' long, 28" large diameter.  
Shipping Wt. 4 lb.  
Item No. 21-182-1 ..... \$9.00

## WINDSOCK FRAME

Our sturdy windsock frames will face up to any weather. The reinforced, welded construction is plated for extra weather resistance. Ballbearing swivels insure free turning. Very easy to mount - its mounting shaft is 1" steel tubing which may be clamped to present mast.

18" diameter  
Shipping Weight 7 lb.  
Item No. 21-165-6 ..... \$12.00  
28" diameter  
Shipping Weight 8 lb.  
Item No. 21-166-4 ..... \$13.50

## MINIATURE WIND SOCK



This decorative, yet very practical, wind sock shows wind direction and velocity. The bright orange cloth is visible from a distance. Let your friends and neighbors know you're a pilot. Perfect for model airplane clubs flying field or club house. Complete with brackets for mounting on gable, mail box, fence post, or TV antenna. Cast aluminum direction indicator for easy reference. Manufactured with bronze oilite bearings, hardened steel shaft, free swiveling 15" wind cone.  
Over 1,000 already sold to pilots all over the country. Shipping Weight 4 lb.  
Item No. 21-513-7 ..... \$12.50  
Extra Windsock Only  
Item No. 13-014-6 ..... \$2.50

## WIND TEE



## Lighted wind tee for small and medium size airports

This newly designed Wind Tee features fiberglass covering that never requires repainting. Frame work made of steel tubing. The tee is internally lighted and has swept back wings which makes it very easy to see and distinguish from the air at night. Very sensitive to wind changes, the lighted model has very low wattage lamps that cause the fiberglass panels to glow. The tail has a blinking red light and there is a steady green light on the front of the unit.

13' x 18" Lighted Tee  
Item No. 51-482-8 ..... \$599.50  
Mounting Post for Wind Tee  
Item No. 11-553-5 ..... \$19.50

## FLUSH TYPE RUNWAY LIGHTS



Low Profile Airport Runway lights mounts below ground with only about 2-1/2" projection. It will stand being run over by an airplane. Either blue or clear light. 10" high and 9-1/2" in diameter with a 3-1/2" cord. Made by Revere Electric - Model 7016. Complete as shown less bulb. Perfect for any permanent installation. Shipping Weight 34 lb.  
Item No. 81-484-8 ..... \$20.00

## TURN ON RUNWAY LIGHTS FROM YOUR AIRPLANE



Control runway lights from your aircraft with the Type RS-3 Radio Control Receiver. Use the regular VHF transmitter in your aircraft on a predetermined channel to operate the radio receiver on the ground.

## Turns Light On And Off Automatically

Any aircraft frequency is available; be sure to state frequency desired. DPDT switch is rated at 220 volts AC, resistive, and can be used to switch 110 volt or 3 wire 220 volt systems or set off an alarm, etc. For heavier loads, use with standard power relay. Uses 6 watts, 110 volts AC. Furnished complete with AGP3 ground plane antenna. Unit is guaranteed for 6 months. Shipping Weight 11 lbs.  
Item No. 12-813-2 ..... \$279.50

Add 25¢ per foot for coaxial lead in wire.

## AIRPORT BEACON LIGHT

Beacon Light for airports has 100 watt high intensity lamp with a special magnifying lens visible 360°. Perfect for smaller airports and private fields. Stands about 8" high with a set screw locking base. Glass lens. Shipping Weight 4 lb.  
Item No. 81-248-7 ..... \$10.00  
Lens Only  
Shipping Weight 3 lb.  
Item No. 81-563-9 ..... \$3.50

## PHOTO ELECTRIC SWITCH

Electric Eye Control Unit turns lights on automatically at early sunset and off in the morning. Unit is completely self-contained and easily installed - 110 volts.  
Up to 650 Watts Load  
Shipping Weight 2 lb.  
Item No. 81-228-9 ..... \$18.90  
Up to 1500 Watts Load  
Shipping Weight 2 lb.  
Item No. 81-229-7 ..... \$20.50

## EXTRA LENSES AND BULBS FOR B-2 RUNWAY LIGHTS



Extra lenses for runway lights - fresnel type.  
Shipping Weight 1 lb.  
Red - Item No. 81-233-9  
Half Amber and Half Bluegreen -  
Item No. 81-234-7 ..... \$12.50  
Any of the above ..... \$12.50

To change clear lens to amber use inserts.  
Shipping Weight 1 lb.  
Item No. 81-235-4 ..... 35¢

## Extra Light Bulbs -

105 volt types. Shipping Wt. 1 lb.  
10 Watt - Item No. 81-236-2

99 Watt - Item No. 81-499-6 ..... 75¢

Extra Long Life Bulbs - 115-30 volt types.  
10 Watt - Item No. 81-238-8 ..... \$140  
25 Watt - Item No. 81-239-6

## 3-WAY CONNECTOR PLUG

3-Way Connector plug for use with type B-2 runway light wire. Has two female receptacles and one male side connection. Shipping Weight 1 lb.  
Item No. 11-029-6 ..... \$100

## RUNWAY WIRE



Special Runway Light Wire - all weather-proof two conductor stranded copper with a double vinyl sheath for above or below surface. 14 gauge. Lengths up to 1,000 feet. Shipping Weight 1 lb.  
Item No. 81-247-9 ..... Per Foot - 8¢

## RUNWAY MARKER LIGHTS Install Your Own ...

Save Hundreds of Dollars!

Genuine Crouse-Hinds FAA specification Runway Marker Lights for private and commercial airstrips. Model SRL runway light comes complete with clear glass lens, connecting leads, and mounting stake. Uses standard, inexpensive, 15 watt, 120 volt appliance lamps available everywhere.

Complete kit, sufficient for a 1600 foot runway, including 14 clear lights, 4 green threshold lights, 3500 feet of two conductor insulated runway light wire and lead-in wire.

Item No. 12-404-0 ..... \$430.00  
Savings of \$54.00

Model No.	Description	Item No.	Price of each
47616	Clear, runway less skirt	12-398-4	\$13.00
47829	Clear, runway with skirt	12-399-2	16.00
47617	Blue taxiway, less skirt	12-400-8	14.00
47830	Blue taxiway, with skirt	12-401-6	17.00
47618	Green, Threshold less skirt	12-402-4	14.00
47831	Green, Threshold with skirt	12-403-2	17.00

## Extra Bulbs

115 Volt Bulbs for Crouse-Hinds Lights. Part No. 1577N.  
Item No. 13-059-1 ..... 50¢

## Extra Lenses

Clear  
Item No. 13-060-9 ..... \$2.00  
Blue  
Item No. 13-061-7 ..... \$3.00  
Green  
Item No. 13-062-5 ..... \$3.00

## LANDING LIGHT BULBS



## Sealed beam hi-output lamps made by General Electric and Westinghouse

Aircraft Components, Inc. saves you money on replacement lamps - stock your shelves now for emergency needs.

Size	Volts	Watts	Model No.	Item No.	Net Price
4-3/8"	13	100	4509	11-093-2	\$2.50
4-3/8"	13	86	4500	81-617-3	3.00
5-1/2"	28	250	4523	81-618-1	4.00
5-1/2"	28	250	4553	11-105-4	4.00
6-3/4"	13	450	4540	81-634-8	4.00
8"	28	600	4559	11-095-7	6.50
8"	13	250	4561	81-615-7	5.00
8"	28	250	4562	81-616-5	5.00

AIRCRAFT COMPONENTS, INC.  
BENTON HARBOR, MICH. 49022, U.S.A.

Phone 616 925-8863

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# Aircraft Lights and Bulbs

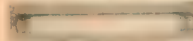
## 24 VOLT FLUORESCENT COCKPIT LIGHT



Fluorescent Cockpit Spotlight makes luminous dial instruments glow brightly. For use on 24 volts only. Complete with dimmer rheostat, shutter lens on light, full swivel base, cord and bulb. Grimes Model C-5 (AN3038-1). Shipping Weight 2 lbs. Item No. 81-199-2 **\$10.00**

Fluorescent Bulbs for Cockpit Spotlights. Fits C-5 and C-8. Grimes No. F-5000 for 24 volt lights. Shipping Wt. 1 lb. Item No. 81-197-6 **\$1.00**

## AIRCRAFT FLUORESCENT LIGHT



F5001 Aircraft Fluorescent Light Tube. 1/2" diameter. 5-3/8" long. Shipping Wt. 1 lb. Item No. 11-064-3 **\$1.00**

## LANDING LIGHT BULB



Aircraft landing light bulb. 100 watts, 12 volts, with special pre-focused base. Shipping Weight 1 lb. Item No. 81-640-5 **\$3.50**

## LIGHT BULBS

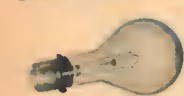


Westinghouse Aircraft Run-Way Light Bulb, 40 watt, 115 volts with pre-focused base. Shipping Weight 1 lb. Item No. 81-625-6 **\$1.50**

General Electric Spot Light Bulb, 1,000 watt, 155 volts with large screw base. Approx. 5" in diameter. Shipping Weight 1 lb. Item No. 81-627-2 **\$3.50**

500 watt, 230 volt, large screw base. Approx. 9-1/2" long, 5" diameter. Shipping Weight 1 lb. Item No. 81-628-0 **\$2.00**

Group Replacement Street Lighting Lamps, type 4,000L, 15A, base up, Mogul base, GE. Shipping Weight 1 lb. Item No. 11-737-4 **\$7.50**



Airport Approach Beacon Lamp. 200 watts, 6.6A with pre-focused base. Measures approx. 8" long. Shipping Weight 1 lb. Item No. 11-283-9 **\$2.50**

## NEW FLUORESCENT COCKPIT LIGHT



Make night flying easier and safer with this new 24 volt Fluorescent Cockpit Light. This Ultra-Violet (Black Light) makes your instruments glow in the dark. Dimmer control on the rear of the light gives you complete control of amount of light from "full on" to "off". Only 3-1/2" long, light weight, comes complete with resistor block and full instructions.

The full swivel base allows light to be positioned anywhere. Will fit any aircraft with 24 volt system. Use two of these lights for complete light coverage of the instrument panel. Shipping Wt. 2 lbs. Grimes Type C-8. Item No. 81-130-7 **\$6.50**

21 volt Fluorescent Bulb for Cockpit Spotlights. Type 3W-BL. Shipping Wt. 1 lb. Item No. 11-352-2 **\$5.00**

## BLINKER UNIT



Blinker unit flashes 110 volt lights on and off. Has four-pin base. Diameter 1-1/2" overall length 1-3/4". Shipping Weight 1 lb. Item No. 81-614-0 **\$2.50**

## LIGHT BULBS



Mazda 308, 28 volts, 21 candle power double contact base, S-8 bulb. Measures 1-3/4" high. Red color. Shipping Weight 1 lb. Item No. 11-038-7 **\$3.00**

Mazda 308, 28 volts, 21 candle power double contact base, S-8 bulb. Measures 1-3/4" high. Shipping Wt. 1 lb. Item No. 11-037-9 **\$3.00**

Mazda 1049, 28 volt, 1.4 amps, single contact base RP-11, 2" high. Shipping Weight 1 lb. Item No. 11-039-5 **\$3.00**

No. 1666, 21-21 CP, 28 volt, airplane, double contact base, S-8 bulb. Shipping Weight 1 lb. Item No. 11-726-7 **\$3.50**

Mazda 303/OF, 28 volt, 6 CP, single contact base, frosted. Shipping Wt. 1 lb. Item No. 11-727-5 **\$3.00**

## SWIVEL MOUNT COCKPIT & MAP LIGHT



This popular cockpit spotlight has a full swivel base with locknut. Mounts with four screws. Two position broad or narrow light beam. Uses bulb of any voltage. Plated brass, lightweight and easy to mount. Type 1018-1. Shipping Weight 1-1/2 lbs. Item No. 81-200-8 **\$3.00**

## BLACK LIGHT COCKPIT LIGHT



"Black Light" cockpit light with black light lamp. 1" x 6-3/4" long. Furnished with Type H-35 lamp. Uses 2-1/2 volts, 4 watts. Part No. X-220. Shipping Weight 2 lbs. Item No. 11-248-2 **\$5.00**

## SIGNAL INDICATORS



Signal Indicator Panel Lights. Fit through 5/8" hole for mounting. Built-in dimmer for variable brightness. Uses small bayonet base lamp of any voltage. Shipping Wt. 1 lb.

Amber Item No. 81-514-2... **\$1.00**  
Green Item No. 81-515-9... **\$1.00**  
Blue without Dimmer Item No. 11-263-1... **\$1.00**

## LANDING LIGHT BULBS



Model ST-250 Retractable Aircraft Landing Lights. Replacement lamp assembly. Shipping Weight 2 lbs. 12 Volt Item No. 81-204-0... **\$5.00**

24 Volt Item No. 81-205-7... **\$5.00**

## FLUORESCENT COCKPIT LIGHT POWER SUPPLY BOX



Aircraft Vibrator Inverter, Type S. 666-A, mfg. by Electronic Laboratories. Furnishes output for 4 fluorescent cockpit lamps plus 3 volts for grain-of-wheat bulbs on aircraft instruments. Measures 5" x 3-1/2" x 9-1/2". Shipping Weight 7 lbs. Item No. 81-619-9 **\$10.00**

## COCKPIT LIGHT



Portable cockpit light, double contact. Comes complete with clear domed lens, a removable reflector, long cord, etc. N.A.F. Part No. 1079-1. Mfg. by Adams and Westlake. Less Bulb. Shipping Weight 2 lbs. Item No. 81-252-9 **\$2.50**

## AIRCRAFT LIGHT



Aircraft light for cockpit use, recognition, etc. Has light shield with rectangular opening, removable blue dimming lens, base with one hole for mounting. Well made. Uses 6, 12 or 24 volt bulb. Measures about 3-1/4" long. Manufactured by Lights, Inc. Model 1063. Shipping Wt. 1 lb. Item No. 81-560-5 **\$2.00**

## ILLUMINATED GUN SIGHT



U.S. Navy Illuminated Gun Sight. Has self-contained 12 volt lamp with "on-off" switch, and day-night control rheostat. Comes complete with cord and plus. Complete with lens system and filter. Measures 6" high x 3" x 3". American Cyclopscope Model Mark IX, Model 1. Surplus. Shipping Weight 4 lbs. Item No. 11-251-6 **\$5.00**

## LANDING GEAR SWITCH



Lighted landing gear switch, Carma Mfg. Company. Type 10671. Double pole, double throw. Measures 1 1/8" wide, 4 1/2" high, 2 1/2" deep. New, surplus. Shipping weight 2 lb. 8 oz. Item No. 12-702-7 **\$5.00**

## FUEL GAGE SELECTOR SWITCH



Fuel gage selector switch for reading up to 4 different tanks with one indicator. Measures 2 3/4" square, 2" deep, with 4 mounting holes. Shipping weight 1 lb. Surplus. Item No. 12-847-0 **\$2.50**

## CABIN CEILING LIGHT



Lamp Assembly for use as cabin ceiling light, cockpit or recognition light. Lens is 3-1/4" diameter and tinted. Light mounts in 4" hole. Uses any voltage bulb. Shipping Weight 1-1/2 lb. Item No. 81-225-5 **\$1.50**

## PROJECTOR LAMP



Westinghouse Projection Lamp DBX, large ring base down, 300 watt, 112, C 13 D filament, blue top, 115-120 volts. Fits Bell & Howell Model 177 slide projector, etc. Shipping Weight 1 lb. Item No. 81-630-6 **\$3.00**

## HEATER THERMOSTAT

Adjustable Thermostat for use with aircraft heaters, etc. Set screw adjusts temperature - comes set at 120°F. Measures 5/8" x 4". Wilmco Model No. A4782 (E-48A34K). Shipping Wt. 1 lb. Item No. 81-459-0 **\$3.00**



PRIMER DISTRIBUTOR  
Primer Distributor has one female inlet with 8 outlets, all 1/8" pipe thread with a mounting clamp. Type AN4030. Shipping Weight 1 lb. Item No. 61-326-5 **\$2.00**

## LANDING GEAR SWITCH



Landing gear switch with built in indicator lights. Heavy duty type. 2 1/2" wide, 5" high, 2" deep. Can be used for any switching application requiring warning lights. Part no. 10821A. Carma Mfg. Co. New, surplus. Shipping weight 2 lbs. 8 oz. Item No. 12-704-3 **\$7.50**

## HEATED CLOTHING RHEOSTAT



Heavy Duty Rheostat. Rated at 24 volts, 100 watts, 2 ohms resistance. Made by General Electric. Cat. No. 851P31, Spec. No. 9432357. Shipping Wt. 3 lbs. Item No. 21-364-5 **\$5.00**

## COMBINATION RED & WHITE PULLOUT MAP LIGHT



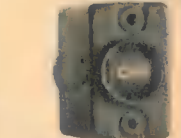
Popular B-7 Cockpit Spot light is perfect for light on medium aircraft. Can be used on ceiling, instrument panel or below panel. Clever design of lamp assembly gives white, red or clear light with turn of the lens unit. Easily installed anywhere. In addition, the light can be removed from case for use as map light, etc. The case folds back into the case of the way when not needed. Unit measures about 3" x 4". Complete with on-off switch and instruction. Shipping Weight 2 lb. Item No. 81-015-0 **\$1.00**

## POSITION INDICATOR



Position indicator, Penn Keystone Corporation. Part No. SA103-108. Reads "open close-diagonals." New, surplus. Item No. 12-707-6 **\$5.00**

## POSITION INDICATOR



Position indicator, 28 volt Penn Keystone Corporation. Part no. SR-103-54. Reads "on-off-on." New, surplus. Item No. 12-711-8 **\$5.00**

## MINIATURE INDICATOR



Three position indicator, flaps, landing gear, etc. for craft instruments. Complete with up, down, and as shown Type 2003NP-23. 7/8" x 2" long, 1 3/8" high. New, surplus. Item No. 12-710-0 **\$5.00**

## POSITION TRANSMITTER



Autosyn position transmitter Bendix type 4500-1B-A, volts A.C., 60 cycles, 50 watts. 2 3/4" diameter, 1 1/2" long. New, surplus. Item No. 12-838-9 **\$1.00**



# Aviation's Leading Supplier of Dry Charged Aircraft Batteries



- Brand new
- New dry charged
- Non-spill vent caps

## HEAVY-DUTY 12 VOLT, 34 AMP HOURS

For all 6 cylinder aircraft engines, and heavy duty use with 4 cylinder engines, get A-C-I's A-4 battery - the standard replacement type with starting power equal to or greater than your original. Fits Apache, Bellanca, Bonanza, Cessna 180, 190, 195, Navion, Pacer, Swift and Waco. 34 amp hours, 66 plates, 5-1/4" x 9-7/8" x 7-1/2" tall. Shipped dry-charged. Shipping Wt. 26 lbs.

Item No. 12-350-5 **\$2150**  
4 or more each..... **\$1731**

## STANDARD 12 VOLT, 25 AMP HOURS Fits: Aeronca, Cub, Luscombe, Stinson, Taylorcraft

A-C-I's 12 volt, 25 amp hour battery has starting power equal to or greater than the original batteries in almost all four cylinder aircraft engines for which it is the standard replacement type. Fits Aeronca, Bellanca, Ercoupe, Luscombe, Meyers, Stinson, Swift, Taylorcraft and some Cessna and Cub. Has 66 Plates, 5-1/4" x 9-7/8" x 7-1/2" tall. Shipped dry charged. Shipping Weight 22 lb. Item No. 12-348-9

- Complete instructions
- Fresh dated stock
- New lower prices

## SMALL CASE, 12 VOLTS, 27 AMP HOURS

A-C-I's small but heavy duty 12 volt battery, was designed especially for Cessna 120, 140, 170, Ercoupe, Funk, Luscombe 8F, Monocoupe, Piper 1950-2, PA-12, 14, 16, Stinson 108, etc. It has 54 plates, 27 amp hours; Measures 5-1/4" x 7-3/4" x 7-1/4" tall. Shipped dry-charged. Shipping Weight 22 lbs. Item No. 12-349-7

4 or more each..... **\$1550**

## B-88, 12 VOLTS, 88 AMPERE HOURS



Special battery for DC-3 or larger aircraft. Model B-88 is 12 volt, 88 ampere hours, hard rubber case, carrying handles, measures 14-1/8" x 14-1/8" x 7-1/4", shipped dry-charged. Shipping Wt. 79 lb. Item No. 12-343-0

**\$5157**

## NEW AUTOMATIC BATTERY TESTER



### Checks both Nickel Cadmium and Lead Acid Batteries

Fully Automatic, just connect charged battery and push start button. Battery ampere-hour capacity is displayed when test is automatically completed.

Checks all 12 and 24 Volt Batteries - both Nickel-Cadmium and Lead Acid from 3 to 100 ampere hours ratings. Portable, self-powered, automatic recharge control. Includes terminals for automatic turn-on of separate battery charger when battery test is completed. Shipping Wt. 13 lbs. Christie Auto Tester. Item No. 11-088-2

**\$35000**

## AIRCRAFT BATTERY CHARGER



12 or 24 Volts  
New Charger is rated at 4 Amperes - 12 Volts or 3 Amperes - 24 Volts and also has a low output trickle charge rate for topping off the charge and long term storage maintenance. Input is 110 Volts A.C. Comes complete with 4 foot cables with heavy duty clamps, charging rate meter, 12 or 24 volt output switch, trickle or full charge switch, and tapering rate circuit. Shipping Weight 10 lbs. Item No. 12-353-9

**\$2250**

## BATTERY STRAP

Battery Grounding Strap. 1" x 11" flat braided copper tinned strap. Shipping Wt. 2-1/2 lbs. Item No. 12-354-7

**50¢**

## GROUND START BATTERY CABLE PLUG



Plug for Ground Starting Battery Cables. Type AN2551. Shipping Weight 2-1/2 lbs. Item No. 12-338-0

**\$1000**

## SPILLOVER JAR



Battery Spillover Vent Jar. Acid-proof cover, glass jar, one pint. Shipping Weight 2 lbs. Item No. 12-499-0

**\$350**

## BATTERY CONNECTOR



Cannon Battery Connector for the "AN" Metal Case Batteries. Shipping Weight 2 lbs. Battery Half - No. 11749. Item No. 12-346-3

**\$250**



24 Volt Battery



12 Volt Battery



## OTHER POPULAR AIRCRAFT BATTERIES All Brand New Production - Shipped Dry Charged - 1Yr. Guarantee

**AN3151-2A**  
24 Volts, 24 Amp. Hours.  
10-1/4" L. x 13-5/16" W. x  
8-3/4" H. Weights 56 lbs.  
Item No. 12-344-8  
List Price: Net  
\$121.90 Price - **\$6400**

**AN3154-1**  
24 Volts, 11 Amp. Hours.  
10-1/4" L. x 10-15/16" W. x  
7-3/4" H. Weights 34 lbs.  
Item No. 13-028-6  
List Price: Net  
\$143.70 Price - **\$3400**

**AN3150-2A**  
24 Volts, 36 Amp. Hours.  
12-1/4" L. x 13-5/16" W. x  
10-1/4" H. Weights 80 lbs.  
Item No. 11-213-6  
List Price: Net  
\$133.10 Price - **\$6400**

**MS18045-42**  
Supercedes MS25210-2 and  
MS25210-9. 24 Volts, 200  
Amps. at 5 min. rate. 12-1/4"  
L. x 10-1/2" W. x 10-1/4" H.  
Weights 80 lbs. Item No. -  
13-029-4  
List Price: Net  
\$172.40 Price - **\$8375**

**MS18045-41**  
Supercedes MS25211-2 and  
MS25210-7. 24 Volts, 125  
Amps. at 5 min. rate. 10-1/4"  
L. x 10-1/4" W. x 8-3/4" H.  
Weights 56 lbs. Item No. -  
13-030-2  
List Price: Net  
\$147.85 Price - **\$7180**

**AN3152A**  
12 Volts, 36 Amp. Hours.  
12-1/4" L. x 8-1/2" W. x  
10-1/4" H. Weights 42 lbs.  
Item No. 11-212-8  
List Price: Net  
\$134.25 Price - **\$6400**

**AN3153-1A**  
12 Volts, 24 Amp. Hours.  
10-1/4" L. x 8-1/2" W. x  
8-3/4" H. Weights 29 lbs.  
Item No. 11-027-8  
List Price: Net  
\$121.05 Price - **\$6400**

**D6A**  
12 Volts, 68 Amp. Hours.  
16-3/4" L. x 9-5/8" W. x  
10-1/4" H. Weights 71 lbs.  
Item No. 11-214-4  
List Price: Net  
\$152.45 Price - **\$8900**

**Exide K-1**  
TYPE 6GT13.  
Item No. 13-031-0  
List Price: Net  
\$252.25 Price - **\$12400**

**ALLIGATOR CLAMPS**  
Universal Alligator Jaw Battery  
Clamps. 200 ampere  
rating. 1-3/4" jaw opening.  
Shipping Wt. 1 lb.  
Item No. 12-347-1 **\$100**

## PIPER JUMPER CABLES



12 foot Jumper Cable with special Piper Single Pin Plug. Heavy 9 gauge wire with extra heavy connectors (much sturdier than Piper furnishes). Heavy alligator type clamps for connecting to any battery. Shipping Wt. 8 lbs. Item No. 12-483-4

**\$3500**

## BATTERY CABLE PLUG



Plug for Ground Starting Battery Cables. Fits almost all aircraft. Type AN2551. Shipping Weight 2-1/2 lbs. Item No. 12-339-8

**\$2250**



AN2552 mounts on Airplane. Shipping Weight 2 lbs. Item No. 12-341-4

**\$500**

AN2552 with Guard. Shipping Weight 2 lbs. Item No. 12-342-2

**\$800**

## PROTECT YOUR STARTER AND BATTERY

**12 Volt Power Unit**  
Plugs into any 110 volt AC outlet. Furnishes up to 200 amperes at 12 volts for quick and sure starting of your aircraft.

Saves battery and starter wear. Comes complete with standard three-connector aircraft ground starting plug. Rated at 200 amperes for five minutes and 50 amperes for 30 minutes. This will handle most single and twin engine executive aircraft. Shipping Weight 33 lbs. Model 12/2A. Item No. 51-376-2

**\$15400**

**Heavy-Duty Model**  
Furnishes 12 or 24 volts DC for starting all single and executive twin aircraft. Plugs into any standard 110 volt AC outlet with 30 ampere capacity.

Furnishes up to 225 amperes UC at 24 volts for starting of aircraft. Shipping Weight 33 lbs. Model 12/24A. Item No. 51-377-0

**\$27700**

For even higher output, Model 1224HA furnishes 450 amperes at 24 volts DC for starting. Complete with 6 foot cord. Input is 230 volts AC. For starting only. Shipping Wt. 33 lbs. Kwikstart Model 1224HA. Item No. 51-424-0

**\$41600**

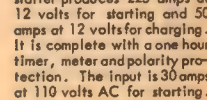
## GROUND STARTER



Combination Ground Power Booster Unit and Battery Charger. New charge-start Kwikstart Power Pak Unit. This charger-starter produces 225 amps at 12 volts for starting and 50 amps at 12 volts for charging. It is complete with one hour timer, meter and polarity protection. The input is 30 amps at 110 volts AC for starting.

The continuous input for charging, of course, is appreciably lower. Easy to move around various locations. Shipping Wt. 34 lbs. Kwikstart Model 12CSP. Item No. 51-423-2

**\$26000**



AN2552 mounts on Airplane. Shipping Weight 2 lbs. Item No. 12-341-4

**\$500**

AN2552 with Guard. Shipping Weight 2 lbs. Item No. 12-342-2

**\$800**

**SPECIAL  
BATTERY TESTER**

This specially designed tester for aircraft batteries requires only a very small amount of fluid. Ordinary testers will not work on aircraft batteries. Reads from 1,000 to 1,300 sp. gr. Extremely accurate, highest quality. Shipping Wt. 1 lbs. Item No. 61-572-4

**\$300**

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# Aircraft Filters and Motors

## FRAM OIL FILTERS



PB55-1 is the complete filter assembly including PB55 replacement filter, adapter and attached mounting bracket as pictured. Shipping Weight 4 lbs.

Item No. 61-350-5 **\$2100**

Change PB55 Filter when the oil on the dipstick appears dirty, at least every 100 hours. Shipping Weight 3 lbs.

Item No. 61-351-3 **\$450**

## HYDRAULIC OIL FILTERS



FRAM PB5 replacement throw away filters for existing installation, FAA approved. Change your PB5 filter when the oil on the dipstick appears dirty, at least every 100 hours.

Item No. 61-349-7 **\$696**



Oil Filter for aircraft. Also used on type A3 and A4 aircraft autopilots. Has replaceable filter element.

Rated at 2-1/2 gal. per min. Purolator No. 28768. Approx. 6-3/8" long with 3/8" pipe thread connections. Shipping Weight 2 lbs.

Item No. 61-425-5 **\$300**

## OIL PUMP & FILTER FOR AUTOMATIC PILOT



Oil pump and filter assembly for use with hydraulic systems.

This is the same unit used with the type A3 and A4 aircraft autopilot. 12" long and 6" in diameter. Has various sizes outlet connections. Sperry Part No. 644681. Surplus.

Shipping Weight 6 lbs.

Item No. 61-612-6 **\$750**

## FUEL FILTER



Skinner Gasoline Filter with removable porous element that can be recleaned. Designed for all general purpose fuel filtering for aircraft, marine use. Has 1/8" pipe thread fittings. Will filter up to 30 gallons per hour. Skinner 541 measures 3-1/4" long. Shipping Weight 1-1/2 lbs.

Item No. 11-000-7 **\$350**

## FUEL FILTER



Standard aircraft gasoline fuel filter or strainer has 3/4" pipe thread openings. Cast aluminum body, stainless steel strainer and drain cock. Type C5. Shipping Weight 5 lbs.

Item No. 61-384-4 **\$695**

Type C4 Fuel Strainer. Shipping Weight 5 lbs.

Item No. 11-763-0 **\$695**

## FUEL, OIL AND AIR FILTER



Eclipse Oil, Fuel and Air Filter. Part No. EA82383 with two 1/8" threaded openings. Filter is permanent, stacked disc type. Measures 2-1/4" long. Shipping Weight 1-1/2 lbs.

Item No. 61-494-1 **\$350**

## FUEL FILTERS



Aircraft fuel filter assembly, heavy-duty type, with side inlet and top outlet.

Internal filter is made of fine stainless steel metal mesh. Measures 12" long, 4-1/2" diameter with 2-1/4" connecting flanges. Mfg. by Aero Supply Mfg. Co. Part No. 52-1200001. Shipping Weight 12 lbs.

Item No. 11-867-9 **\$2250**

## FUEL FILTERS

Fuel Filter Unit Mfg. by Aero Supply, Part No. 75032-1, B.A.C. Spec. 10-813-2. Approximately 12" long x 5" diameter. Shipping Weight 12 lbs.

Item No. 61-437-0 **\$1500**

## AIR FILTER



Pesco Air Filter Type 8-11A, Part No. 3F-568-A. 2-1/2" diameter, 3" high, 3/4" hose fitting, wing nut with removable top, stainless mesh. Shipping Weight 1-1/2 lbs. New.

Item No. 61-368-7 **\$250**

## HYDRAULIC OIL FILTER



500 to 3000 P.S.I. Hydraulic Oil Filter. Mil Part No. MS28720-8. Replacement Element AN Part AN6235-3A. Purolator Products, Inc. Part No. 50222-H, Type PR-406-3. Approx. 6-1/4" long. Shipping Weight 3 lbs.

Item No. 61-435-4 **\$1000**

## FUEL FILTER



Filter Assembly and Pressure Relief Valve. Chandler-Evans Pratt and Whitney Co. Type 2915-623-2108. Also bears Part No.; assembly 44355 and AF34-601-4768. Also No. 4811-44355. Approx. 4-1/2" long x 2" diameter. New. Shipping Weight 2 lbs.

Item No. 61-436-2 **\$500**

## HYDRAULIC OIL FILTER



AN6234-2 Purolator Oil Filter with replacement element. AN-6235-2A. Shipping Weight 2 lbs.

Item No. 61-175-6 **\$500**

## AIRCRAFT MOTOR



Bodine Electric Motor, 1/8 H.P., 24 Volts D.C., 8.6 Amps, 1750 RPM, Type AC 3-53. Standard 4 hole aircraft mounting pad with 1-7/8" centers. 1/4" square drive shaft measures 5" diameter x 6" long with base mounting pad. Brand new. Shipping Weight 9 lbs.

Item No. 61-543-5 **\$2500**

## AIRCRAFT STARTER ACCELERATING MOTOR



Aircraft Starter Accelerating Motor, Bendix Eclipse, 24 volt, No. E-10349-4. Measures approximately 5" diameter at small end, 7" at large end, 6" long. Shipping Weight 14 lbs. New surplus.

Item No. 81-169-5 **\$1500**

Aircraft Starter Accelerating Motor, Bendix-Eclipse, 12 volt, No. E-104349-1. Measures approximately 5" diameter at small end, 7" at large end, 6" long. Shipping Weight 14 lbs. New Surplus.

Item No. 81-632-2 **\$1500**



Eclipse Starter Motor Type 719 with Solenoid EA-18412-3. 24 Volts D.C., measures 7" x 8" x 6". Shipping Weight 14 lbs. New Surplus.

Item No. 81-497-0 **\$1500**



Eclipse Aircraft Starter Accelerating Motor. Type 462, Model 10, Mfgs. Dwg. No. E78292, Style A. 12volts D.C. Measures 8" long with 5-1/2" flange. Brand new surplus. Shipping Weight 15 lbs.

Item No. 61-510-4 **\$2000**

Eclipse Aircraft Starter Accelerating Motor. Type 463, Model 43, Mfg. Dwg. No. E78292, Style A. 24volts D.C. Measures 8" long with 5-1/2" flange. Brand new surplus. Shipping Weight 15 lbs.

Item No. 61-607-8 **\$2000**

## ECLIPSE STARTER MOTOR



Eclipse Starter Motor, Part No. F88980-5 with Solenoid EA-18412-3. 24 volts D.C., measures 7" x 8" x 6". New Surplus. Shipping Weight 15 lbs.

Item No. 31-621-5 **\$1500**

Eclipse Starter Motor, Part No. F88980-6 with Solenoid EA18412-3. 24 volts D.C., measures 7" x 8" x 6". New Surplus. Shipping Weight 15 lbs.

Item No. 81-622-3 **\$1500**

## AIRCRAFT ACCESSORY DRIVE MOTOR



Aircraft Accessory Drive Motor, Delco Model A-70408, 1/10 H.P., 24 volts D.C., 5.4 amps, 2500 RPM, counter clockwise rotation. Brand new, with standard aircraft accessory drive pad mounting. 6" long. Shipping Weight 15 lbs.

Item No. 61-507-0 **\$2400**

Aircraft Accessory Motor. Delco Model No. A4934. 24 volts D.C., 1800 RPM, 1/8 H.P. Will operate either clockwise or counter-clockwise. Has standard aircraft accessory mounting pad. Measures 8" long x 3-1/8" diameter. Brand new surplus. Shipping Weight 15 lbs.

Item No. 61-503-9 **\$2400**

## LANDING GEAR MOTOR



Eclipse Landing Gear Motor type 449 Model 1. 12 volts D.C. Mfgs. Dwg. No. D-45400, Style A. Measures 4" diameter x 10" long. Brand new surplus. Shipping Weight 15 lbs.

Item No. 61-539-3 **\$2500**

## HYDRAULIC PRESSURE SWITCH



Set for 1,000 to 1,350 lbs. per square inch. Part No. 98G41. Maximum pressure, 4,500 P.S.I. New Surplus. Shipping Weight 1-1/2 lbs.

Item No. 11-338-1 **\$1000**

## AIR FILTER



For vacuum instruments - Part No. 27300. Maximum capacity up to 10 cu. ft. per minute. Surplus. Shpg. wt. 2 lbs. Item No. 71-155-6 **\$750**



Diffuser Assembly for AN5822-1 Air Filter Skinner No. 27328. Shpg. wt. 1 lb. Item No. 71-196-0 **\$100**

## AIRCRAFT MOTOR



Model 5BC21MJ6A Motor, with 1-1/4 H.P., 3800 RPM, 24 volts, 60amps. Made by G.E. Measures 4-1/2" in diameter. Direct Current. Shipping Weight 15 lbs.

Item No. 81-253-7 **\$1500**

## HIGH-SPEED MOTOR



Westinghouse Aircraft Motor. 2 H.P., 24 volts D.C., 75 amps. Rated at 7400 RPM., continuous duty. Measures 5-1/2" diameter x 7-1/2" long. Half-inch keyed shaft 3" long. Westinghouse Model 938-D 710-1. Shipping Weight 20 lbs.

Item No. 11-852-1 **\$1250**

## AIRCRAFT GEAR HEAD MOTOR



Aircraft Gear Head Motor. Pesco Type 265-14G. 2 amps 24 volts, 1/50 H.P. Measures 3" diameter x 6" long. Brand new surplus. Shipping Weight 15 lbs.

Item No. 61-540-1 **\$2500**

## FUEL OR OIL PRESSURE UNIT



Fuel or Oil Pressure Transmitter Unit. Late model replaces Type A-1. Complete with gage fitting and valve. Type No. AN5764-1.

Item No. 71-094-7 **\$500**

## HEAVY DUTY MOTOR



Heavy Duty Aircraft Motor made by Bendix Aviation, Type Y-150, 24 volts D.C., Assy. Dwg. No. D-49177-8. Measures 10" long, 4" diameter. Brand new surplus. Shipping Weight 15 lbs.

Item No. 61-502-1 **\$1500**

## OIL FILTER



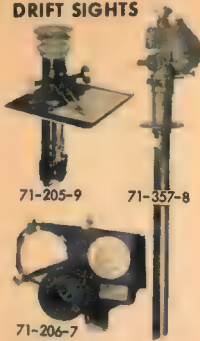
Oil Filter, for use on aircraft instruments, automatic pilots hydraulic systems, etc. Skinner Type 27400 with two threaded openings for 1/4" pipe. Measures 6-3/4" long Shipping Weight 2-1/2 lbs.

Item No. 61-513-8 **\$500**



# Drift Sights, Switches & De-Icer Pump

## DRIFT SIGHTS



AN-5763 Type-3 Gyro Stabilized Drift Sights are designed for accurate drift angle and ground speed recording. The unit has a range of 20 degrees right or left angle. 110 volts, 400 cycle operation. The unit comes complete with an optical system, gyro, recorder, etc. Made by the Bendix-Pioneer Co. Shipping Weight 11 lbs. Item No. 71-357-8 **\$100.00**

The Mark IV Drift Sight is manufactured by C. T. and Simms, Ltd. Manually operated type with a movable scale, rubber eye piece, optical lens system and movable prism. 13" long, surplus, in compartmented carrying case. Shipping Weight 11 lbs. Item No. 71-205-9 **\$10.00**

The Mark II Drift Sight is right angle type with built-in air speed computer. Approximately 11" high, surplus. Shipping Wt. 12 lbs. Item No. 71-206-7 **\$10.00**

## INTERPHONE AMPLIFIER



Aircraft interphone amplifier type AM26A/AIC. With automatic volume control. Manufactured by Automatic Radio Manufacturing Company, Inc. Comes complete with dynamotor and complete complement of tubes including 2 each 12A6 and 2 each 12J5GT, plus related transformer, filters, etc. 24 volts D.C. input. Measures 5" wide, 5" high, 10" long. Surplus. Shipping Weight 9 lbs. Item No. 12-835-5 **\$12.50**

## AIRCRAFT HYDRAULIC PRESS



Aircraft Hydraulic Press has adjustments every 6 in. vertically. Hydraulic Ram extends 6 in., inside width is 24 in., overall height, 60 in., power - 16,000 pounds. Item No. 51-427-3 **\$198.00**

Available in 25 ton model, 6 in. adjustments, 24 in. inside width clearance, overall height 66 in. Item No. 51-478-6 **\$310.00**

## IGNITION SWITCHES



Type EE Bendix "fake" switch used in tandem aircraft. Looks like a regular switch, but has flexible shaft connection only. Shipping Weight 2 lbs. Item No. 81-019-2 **\$3.00**

Type EP-E Bendix switch fits 3-1/8" hole, has a removable locking key, dial reads: "Both Mag-Bat-Off." Shpg. wt. 2 lbs. Item No. 81-214-9 **\$3.95**

EJ-8 Bendix ignition switch fits 3-1/8" hole. "Both-L-R-Off." Shipping Weight 2 lbs. Item No. 81-154-7 **\$3.95**

Type B-1 Thwing switch fits all 3-1/8" holes, reads "Aux-Port Off-Stbd." Shipping wt. 2 lbs. Item No. 81-157-0 **\$3.95**



A-33 S Pollack Ignition Switch for light planes is 2" square on face, reads: "Off-Right-Left-Both." Shpg. wt. 2 lbs. Item No. 81-151-3 **\$3.95**



Type A-9 Bendix Switch fits all light aircraft. 2-1/4" diameter, dial reads: "Off-Bat-L-R-Both." Shipping wt. 1-1/2 lbs. Item No. 81-016-8 **\$3.95**

## AIRCRAFT GENERATOR



Aircraft Generator, Leace-Neville Type E-5A. Believed to fit BT13 and Canadian Amson, etc. Dwg. No. 24502, for use with 12 volt systems. 50 amps, 2500 to 4500 RPM. 9" long, 5-1/2" diameter. Shipping Weight 25 lbs. Item No. 61-504-7 **\$30.00**

## AIRCRAFT GENERATOR



Aircraft Generator, output up to 30 volts D.C., 200 amps. Speed 4,400 to 8,000. General Electric Model No. 2CM-63C7. Part No. E-1603-1. Has a 7/8" splined shaft with 6" hole mounting flange. Has separate connections for field and armature. Surplus. Brand New. Shipping Weight 39 lbs. Item No. 11-773-9 **\$35.00**

## AIRCRAFT FUEL BOOST PUMP



### Weldon Model J Aircraft Electric Fuel Pump

This new approved fuel boost pump for aircraft is designed for priming fuel injection engines, pressuring fuel systems at take-off and standby emergency. It is capable of continuous operation at full voltage.

Features include adjustable pressure-relief valve, ball bearing motor with mounting base. Rated at approximately 40 gallons per hour up to 12 lbs. per square inch pressure.

12 volt Weldon Style J, Model AA8001-C. Shipping Wt. 4 lbs. Item No. 11-340-7 **\$72.50**

24 volt Weldon Style J, Model AA8001-C. Shipping Wt. 4 lbs. Item No. 11-341-5 **\$72.50**

## THROTTLE CONTROL



Throttle Control with Locking Feature. Single wire steel core, 42" long. Can be cut shorter. Finger grip control. Shipping Weight 4-1/2 lbs. Item No. 11-236-7 **\$3.50**

## DUAL PUSH-PULL CONTROL



Dual push-pull control made by Shakespeare. Finger grip handle, with one 18" and one 36" control. Either is removable without interfering with operation. Shipping Weight 2 lbs. Item No. 61-394-3 **\$3.50**

## SELF-LOCKING VERNIER THROTTLE



Fine adjustment is obtained by screwing, 1-1/2" diameter knob in or out. Fast, coarse adjustment is obtained by depressing button in knob and moving in our out. Casing is covered with impregnated braided fabric. Requires 3/4" hole, 3-1/2" travel; 2" long mounting thread, 5 ft. long with 1/4" push-pull rod. Model No. 3A-1529. Shipping Weight 2 lbs. Item No. 61-348-9 **\$13.75**

## PUSH-PULL CONTROL



### KNOB TYPE CONTROLS

Type	Length	Item No.
Starter	35"	61-008-9
Cabin Heat	33"	61-009-7
Fuel	33"	61-012-1
Master Switch	37"	61-013-9
Choke	74"	61-366-1

Any of the above Controls - **\$3.50**

## ENGINE SEALS

Engine Seals, Garlock GB 25618E. Item No. 11-258-1 **25¢**

## AIRCRAFT HYDRAULIC PUMP



Will pump up to 5 gal. per minute at 1400 P.S.I. Complete with spring loaded pressure relief valve now set at 3 gal. per minute. 750 P.S.I. at 2500 RPM.

High capacity, heavy duty Aircraft Hydraulic Pump Model No. 10680-1. Mfg. by Dowty Live Line. 7/8" drive shaft has six splines, measures approx. 1" long. 4-hole mounting pad is 4-3/8" square. Pump measures 5" x 5" x 6-3/4" long. Brand New Surplus. Shipping Weight 10 lbs. Item No. 61-395-0 **\$17.50**

## DE-ICER FLUID PUMP



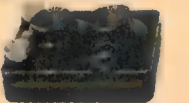
Adel De-Icer Fluid Pump Model J-4, Part No. D-7818. 6" long, 2-3/4" diameter. Surplus. Shipping Weight 4 lbs. Item No. 61-080-8 **\$25.00**

## DE-ICER PUMP



De-Icer Fluid Metering Pump, 5 Gallons per hour, Type B, AN6102-1, Model 101-4, powered by 24 volt motor, 1/75 H.P., 12000 RPM, 1 amp. Motor manufactured by Weldon Tool Co. Surplus, good condition. Shipping Weight 5 lbs. Item No. 21-359-5 **\$12.50**

## DE-ICER PUMP



Anti-Icer Pumps. Eclipse type 744, Model 3, Style A. New Surplus. Shipping Weight 2 lbs. Item No. 21-195-3 **\$5.00**

## DE-ICER PUMP



Anti-Icer Pump and Motor. Flange mount base, 12 or 24 volt D.C., 1-3/4 amps, Eclipse type 744-4A. Measures 6" x 6" x 4" overall. Shipping Weight 5 lbs. Item No. 21-328-0 **\$15.00**

## BALANCING UNIT



Impedance balancing unit type CU-63/APT. Manufactured by Gadgets, Inc. Converts 50 ohm unbalanced input to dual 100 ohm balanced output. Measures 8" x 7" x 2-1/2". Shipping Wt. 2 lbs. Item No. 12-715-9 **\$5.00**

## SUMP SELECTOR VALVE



Sump Selector Valve. Parker Part No. B-9-224-1. Center opening has 1" thread and end connectors fit 3/4" rubber tubing. Overall dimensions: 8-1/4" long, 2" diameter. Shipping Weight 1-1/2 lbs. New Surplus. Item No. 61-538-5 **\$7.50**

## HYDRAULIC CHECK VALVE



Hydraulic Check Valve, 1500 PSI, Part No. AN6207 with standard AN flared tube fitting connections. 3/8" - AN6207-6 **\$3.50**  
Item No. 61-023-8 **\$3.50**  
5/8" - AN6207-10 **\$3.50**  
Item No. 61-444-6 **\$3.50**

## HYDRAULIC CHECK VALVE



Hydraulic Check Valve, rated at 3000 PSI. Type 4CV4612, LAC-668053-3. Has high pressure connector for 3/8" tubing. Measures 2-3/4" long. Shipping Weight 1-1/2 lbs. Item No. 61-517-9 **\$3.00**

## RELIEF VALVE



Pesco Model 217G, Pressure relief valve, Type B-12. Shipping Weight 1-1/2 lbs. Item No. 71-283-6 **\$5.00**

## 3-WAY CONTROL VALVE



Aircraft 3-Way Flow Control Valve. Has three 1/2" pipe thread connections. Heavy duty aluminum construction, measures 5" x 4-1/4" x 2-1/4". Three hole mounting pad. Aero Assy. No. 83920. Shipping Weight 2 lbs. Item No. 81-573-8 **\$7.50**

## CARBON DIOXIDE FIRE EXTINGUISHER BOTTLES



Replacement Carbon Dioxide Fire Extinguisher bottles for aircraft and marine fire extinguisher systems. Nonhazardous, wire bound bottle, contains 5.3 lbs. of CO2. Measures 22" long overall with valve assembly, 5" diameter. Shipped units are sealed, and believed to be full, but should be checked and weighed before installation. Shipping Weight 15 lbs. Item No. 21-522-8 **\$20.00**

## QUICK DRAIN VALVES



Curtiss Quick Drain Valves for all aircraft oil or fuel systems. 1/8 turn opens valve. Spring loaded for safety. Can not open accidentally.

Pipe Thread	Item No.	Price
1/8"	61-323-2	\$2.00
1/4"	61-324-0	2.50
3/8"	61-325-7	3.50



Quick Drain Valve-Bar-Jon Type 1000A82. 9/16-18 thread size. Item No. 61-365-3 **\$2.50**

## OIL SEPARATOR



Oil separator-used on the discharge side of the vacuum pump. Model NAF 470891, 5-1/2" long. Shipping Wt. 1 lb. Item No. 71-330-5 **\$3.50**

## AC OIL FILTERS



Lubricating Oil Filter Replacement Elements for AC aircraft Oil Filters.

OF1A	12-259-8	\$4.90
OF6A	12-260-6	\$4.55
OF11A	12-261-4	\$4.55

## "TWIN ENGINE-OUT" INDICATOR



### You'll fly safer with Safeather!

The SAFEATHER system power failure indicator. Attaches to each engine and indicates a power failure by a red light on the engine feathering control knobs in the cockpit. Easily installed. All models can be adapted to other aircraft not listed.

Model	Item No.
Beech D-50	61-408-1
Beech Travelair	61-409-9
Beech 18 with Ham Std.	61-410-7
Beech 18 with Horizall	61-411-5
Aero Commander 680 and 680E	61-412-3
Aero Commander 560E	61-413-1
Douglas DC-3	61-414-9
Cessna 310B	61-418-0
Cessna 310C and D	61-419-8
Any of the Above Models....	<b>\$50.00</b>



# Aircraft Fuel and Oil Solenoid Valves

## HYDRAULIC DIRECT CONTROL VALVE



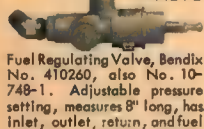
Hydraulic Direct Control Valve, slide-selector solenoid - operated. Rated at 2,000 PSI, cont. duty, 24 volts D.C., with threaded openings to fit 3/8" tube fittings. Measures 5" square. Weston Part No. 12500. New Shipping Wt. 3 lbs  
Item No. 11-861-2 **\$2000**

## TWO-WAY CYLINDER CONTROL VALVE



Two-way Cylinder Solenoid - Operated Control Valve rated at 3,000 PSI, cont. duty, 24 volts D.C., all openings threaded to fit 5/8" copper tube fittings, measures approx. 6" square. New, Weston Part No. 10870. Shipping Weight 3 lbs.  
Item No. 11-860-4 **\$2000**

## FUEL REGULATOR VALVE



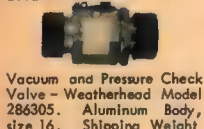
Fuel Regulating Valve, Bendix No. 410260, also No. 10-748-1. Adjustable pressure setting, measures 8" long, has inlet, outlet, return, and fuel connections. Shipping Weight 4 lbs.  
Item No. 61-431-3 **\$750**

## STATIC SELECTOR VALVES



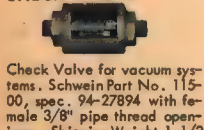
Adel Hydraulic Valve Solenoid Control. Part No. 22982-81 with double solenoids. 24 volt, cont. duty. Rated at 3,000 PSI. Has pressure inlet, return, cylinder one, cylinder two. Measures 5-1/2" long. Shipping Wt. 4 lbs  
Item No. 11-792-9 **\$2000**

## CHECK VALVE



Vacuum and Pressure Check Valve - Weatherhead Model 286305. Aluminum Body, size 16. Shipping Weight 1-1/2 lbs.  
Item No. 71-351-1 **\$300**

## CHECK VALVE



Check Valve for vacuum systems. Schwein Part No. 115-00, spec. 94-27894 with female 3/8" pipe thread openings. Shipping Weight 1-1/2 lbs.  
Item No. 71-550-8 **\$300**

## ADEL SHUT-OFF VALVE



Shut-off valve, Adel Precision Products Part No. 10778-1. Aluminum body, quarter turn shut-off with 3/4" threaded fittings. Measures approx. 3-1/4" long. Shipping Weight 1-1/2 lbs.  
Item No. 12-247-3 **\$500**



Whittaker Solenoid Valve. Part No. 111505. Pressure operated poppet shut-off. Has 6 parts: inlet, outlet, man., man., gage, drain. Measures 6" long. Shipping Weight 4 lbs.  
Item No. 11-793-7 **\$2000**

## HYDRAULIC CONTROL VALVE



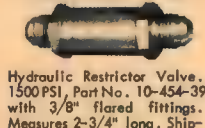
Hydraulic Control Valve for either one or two way cylinders. Has "in", "out", "cylinder in", "cylinder out" openings. Aluminum body with rotary action valve. 2-1/4" x 1-1/2" x 2-1/2" with 1" shaft. Adel Precision Products Corp. Part No. 11311-1. New Surplus. Shipping Weight 3 lbs.  
Item No. 61-354-7 **\$750**

## FUEL TRANSFER VALVE



Aircraft 3 Port Fuel Transfer Valve. Type F-2, AN4003-2 with 1/2" internal pipe thread. Cast Aluminum body. Shipping Weight 4 lbs.  
Item No. 11-291-2 **\$2500**

## HYDRAULIC RESTRICTOR VALVE



Hydraulic Restrictor Valve. 1500 PSI, Part No. 10-454-39 with 3/8" flared fittings. Measures 2-3/4" long. Shipping Weight 1-1/2 lbs.  
Item No. 61-491-7 **\$300**



Restrictor Valve, 3000 PSI. Air Products Co. Part No. 5235, CVAC No. 08-0365-1, 1/4" tubing size, 2-1/4" long. Shipping Weight 1-1/2 lbs.  
Item No. 61-496-6 **\$300**

## 4-WAY FUEL VALVE



Aircraft 4-part fuel valve. Parker with 4-hole flange mounting and indicator handle. Aluminum body with four 3/4" pipe thread openings. Measures approx. 3" square. Shipping Weight 1-1/2 lbs.  
Item No. 12-246-5 **\$750**



Pacific - Bendix. 4-way Solenoid Operated Valve. 3/8" tube threads, 4 outlets. Measures 5" long. Part No. 54860. Shipping Wt. 4 lbs  
Item No. 11-794-5 **\$2500**

## VENT VALVE



Vent Valve F2588-3 with 1/8" pipe thread fitting. Measures 1-1/4" long. Shipping Weight 3 lbs.  
Item No. 61-501-3 **\$350**

## FUEL SELECTOR VALVE



Fuel Selector Valve, Parker Appliance Co. Part No. 4-2549-15 M 4 N Series No. 4140. Valve has choice of any one of 3 inlets feeding 1 outlet. Designed for 1-1/4" diameter hose connection. Valve body measures approximately 5" square. Shipping Weight 5 lbs.  
Item No. 61-488-3 **\$3500**

## HYDRAULIC CONTROL VALVES



Bendix Hydraulic Control Valve for either one way or two way hydraulic cylinders. Threaded for 1/2" and 3/4" fittings. Automatic shut-off. Model No. 2250-A-1. Measures 4" x 4" x 2" with 1/2" diameter and control shaft. Shipping Weight 3 lbs.  
Item No. 61-021-2 **\$1000**

## MANUAL CONTROL VALVE



Manual Control Valve, Part No. D-10012 made by Adel Precision Products. Measures 4-1/2" long with two 3/4" threaded outlets. Shipping Weight 1-1/2 lbs.  
Item No. 61-489-1 **\$500**

## OIL DILUTION SOLENOID VALVE



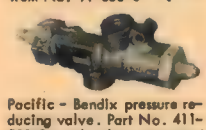
Solenoid Valve for gasoline, oil, aromatic fuels, etc. Used for oil dilution, controlling fuel supply on aircraft heaters, etc. Has 1/8" female pipe threads, aluminum body and drain plug. 24 Volts D.C. Shipping Weight 1-1/2 lbs. Type 37D6210. Graydon No. 2187.  
Item No. 61-362-0 **\$750**

## SOLENOID VALVE

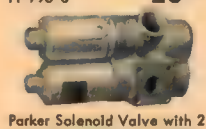


Solenoid Valve, 24 volt, Type AV-1, P/N 40R570B, Manufactured by General Controls Co. Rated at 30 PSI, 8 Watts. Shipping Weight 1-1/2 lbs. Brand New.  
Item No. 61-381-0 **\$750**

Solenoid Valve. General Controls. Type AV-1, catalog No. AV1B1473, 15 PSI, 24 volt D.C. cont. duty. With 1/4" ports. Shipping Weight 1-1/2 lbs.  
Item No. 11-850-5 **\$750**



Pacific - Bendix pressure reducing valve. Part No. 411-590-36 with inlet, return and outlet connection. Set at 1,000 PSI. Measures 5-1/2" long. Shipping Weight 1-1/2 lbs.  
Item No. 11-796-0 **\$2000**

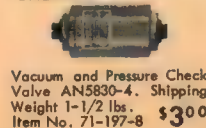


Parker Solenoid Valve with 2 solenoids. Part No. 11-1050-750. 6" long. Shipping Wt. 1-1/2 lbs.  
Item No. 11-790-3 **\$2500**



Electric Solenoid Valve with 1/2" pipe thread openings. Minneapolis - Honeywell Type G-102A17CA1. 24 volts D.C. Designed for Stewart Warner Aircraft Heaters. Stewart Warner Part No. 470-544A. May be used for any low pressure service. 5" x 3-3/4" x 4-1/2" high. Aluminum body. Shipping Weight 1-1/2 lbs.  
Item No. 61-355-4 **\$750**

## VACUUM & PRESSURE CHECK VALVE



Vacuum and Pressure Check Valve AN5830-4. Shipping Weight 1-1/2 lbs.  
Item No. 71-197-8 **\$300**

## SOLENOID VALVE



Two Control Solenoid Valves. General Controls Part No. AV-14G1102, 24 Volts, 30 G.P.M., 3,000 PSI, measures 4" long. Shipping Wt. 1-1/2 lbs.  
Item No. 61-498-2 **\$1500**



Solenoid Valve, for fuel, oil, aromatic fuel, etc. General Controls Type 40R115A. Also CWU05, 470941, GK-32-B-8896. Has 3/8" pipe thread openings. 24 volt D.C. Shipping Weight 1-1/2 lbs.  
Item No. 61-421-4 **\$750**



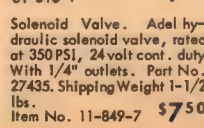
Solenoid Controller Valve made by Rhucor. Part No. 3-U-3064 with 2-3/4" threaded parts. 4-1/2" long. Shipping Weight 1-1/2 lbs.  
Item No. 61-492-5 **\$500**



Hydraulic Solenoid Control Valve. Bartera Products Part No. 15300-1. Rating: 3000 PSI, 28 Volts D.C., 1 Amp, continuous duty. Has one pressure inlet, one return and two outlets, all 3/8" thread. Also has mechanical control arm. Measures 7" long. Shipping Weight 1-1/2 lbs.  
Item No. 61-499-0 **\$1500**



Solenoid Valve, 24 volt D.C., has 3 outlets with 9/16" thread. Marked: cylinder, pressure, return line. Whittaker Part No. 102221, measures 5" long, surplus. Shipping Weight 1-1/2 lbs.  
Item No. 61-516-1 **\$750**

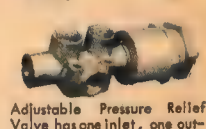


Solenoid Valve. Adel hydraulic solenoid valve, rated at 350 PSI, 24 volt cont. duty With 1/4" outlets. Part No. 27435. Shipping Weight 1-1/2 lbs.  
Item No. 11-849-7 **\$750**

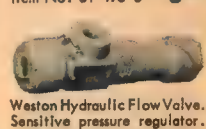
## PRESSURE RELIEF VALVE



Low Pressure Right Angle Relief Valve, 12P10 with two 3/4" flared tube fittings, measures 3-1/4" long. Shipping Weight 1-1/2 lbs.  
Item No. 61-500-5 **\$250**



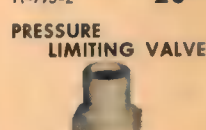
Adjustable Pressure Relief Valve has one inlet, one outlet and two cylinder outlets with 3/4" threaded parts. Sargent Engine Co., Model No. 8-1550. Measures 7" long. Shipping Weight 1-1/2 lbs.  
Item No. 61-493-3 **\$500**



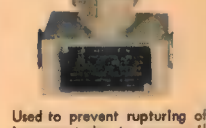
Weston Hydraulic Flow Valve. Sensitive pressure regulator. With inlet, pressure, and return ports. Part No. 12400. Measures 6-1/2" long. Shipping Weight 1-1/2 lbs.  
Item No. 11-791-1 **\$1000**



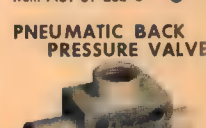
Pneumatic Pressure Relief Valve. Vinson Part No. A-20018, pressure setting 60 PSI. Measures 4" long. Shipping Weight 1-1/2 lbs.  
Item No. 11-795-2 **\$2000**



Pressure Limiting Valve. Used to prevent rupturing of instrument due to excess oil pressure which may develop when starting engine at low temperatures. Manning Maxwell & Moore Part No. 6808. Range PSI 200-300. Shipping Weight 1-1/2 lbs.  
Item No. 61-232-5 **\$350**



Pneumatic Back Pressure Valve rated at 1500/30000 PSI. Part No. 840301. Measures 2-1/2" long with 1/4" pipe thread and 1/6" tube thread. Shipping Weight 1-1/2 lbs.  
Item No. 61-490-9 **\$500**

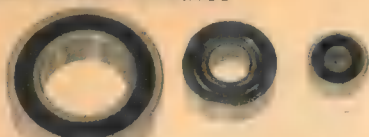


Pneumatic Back Pressure Valve rated at 1500/30000 PSI. Part No. 840301. Measures 2-1/2" long with 1/4" pipe thread and 1/6" tube thread. Shipping Weight 1-1/2 lbs.  
Item No. 61-490-9 **\$500**



# Aircraft and Industrial Ball Bearings

## SHIELDED BALL BEARINGS



3201, New Departure, Shielded one side, Ball Bearing. .47" I.D., 1.26" O.D., 3/8" Wide.  
Item No. 11-625-1 \$1.00

37F51, M-R-C, Shielded one side, Ball Bearing. 0.27" I.D., 0.95" O.D., 0.32" Wide.  
Item No. 11-626-9 \$1.00

KSF4, Norma, Shielded Ball Bearing. 0.25" I.D., 0.90" O.D., 13/32" Wide.  
Item No. 11-627-7 \$1.00

K4A, SKF, Shielded Ball Bearing. 0.25" I.D., 0.75" O.D., 7/32" Wide.  
Item No. 11-680-6 \$1.00

KF10A, Fafnir, Shielded Ball Bearing. 0.625" I.D., 1.375" O.D., 5/8" Wide.  
Item No. 11-682-2 \$1.00

88603, New Departure, Shielded Ball Bearing. 0.667" I.D., 1.85" O.D., 17/32" Wide.  
Item No. 11-673-1 \$2.00

D5, Norma, Shielded Ball Bearings. 0.31" I.D., 1.25" O.D., 0.7" Wide.  
Item No. 11-677-2 \$1.00

KF8H, Fafnir, Shielded Ball Bearings. .187" I.D., 1.0" O.D., 0.5" Wide.  
Item No. 11-676-4 \$1.00

XF94, Norma, Shielded Ball Bearing, concave surface. 0.375" I.D., 1.58" O.D., 0.68" Wide.  
Item No. 11-675-6 \$1.50

DB, Federal, Shielded Ball Bearing. .5" I.D., 1.695" O.D., 27/32" Wide.  
Item No. 11-674-9 \$1.50



## TAPERED ROLLER BEARINGS

A-2126, Timken, Tapered Roller Bearing.  
Item No. 11-685-5 \$2.50

A-2037, Timken, Tapered roller bearing, cone and outer race complete, unshielded. .375" I.D., 1.259" O.D., 5/16" Wide.  
Item No. 11-656-6 \$1.25

39433, Timken, outer race tapered bearing. 4.3" O.D., Item No. 11-646-7 \$4.00

42375, Timken, Cone tapered roller bearing. 3.74" I.D., Item No. 11-642-6 \$4.00

39422, Timken, outer race tapered bearing. 4.2" O.D., Item No. 11-645-9 \$4.00

34300, Timken, cone tapered roller bearing. 3.0" I.D., Item No. 11-643-4 \$3.00

375, Timken, cone tapered roller bearing. 1.975" I.D., Item No. 11-644-2 \$2.00

K10A, Fafnir, Shielded Ball Bearing. 0.625" I.D., 1.375" O.D., 11/32" Wide.  
Item No. 11-679-8 \$1.00

D55, Fafnir, Shielded Ball Bearing. 0.309" I.D., 1.25" O.D., 5/8" Wide.  
Item No. 11-678-0 \$1.25

K3L2, Fafnir, Shielded Ball Bearing. 0.187" I.D., 0.68" O.D., 3/16" Wide.  
Item No. 11-663-2 \$1.25

KF3, Fafnir, Shielded Ball Bearing. 0.187" I.D., 0.776" O.D., 13/32" Wide.  
Item No. 11-668-1 \$7.75

5337B, SKF, Shielded one side, Ball Bearing. 0.47" I.D., 1.258" O.D., 3/8" Wide.  
Item No. 11-667-3 \$1.25

465404, SKF, Shielded one side, Ball Bearing. 0.47" I.D., 1.25" O.D., 15/32" Wide.  
Item No. 11-664-0 \$1.25

465410, SKF, Shielded one side, Ball Bearing. 0.67" I.D., 1.58" O.D., 11/32" Wide.  
Item No. 11-660-8 \$1.50

K5A, Norma, Shielded Ball Bearing. .309" I.D., .81" O.D., 7/32" Wide.  
Item No. 11-658-2 \$8.00

KF20A, Norma, Shielded Ball Bearing. 1.25" I.D., 2.25" O.D., 0.75" Wide.  
Item No. 11-629-3 \$2.00

D-4, Fafnir, Shielded Ball Bearing. 0.25" I.D., 0.9" O.D., 0.49" Wide.  
Item No. 11-628-5 \$9.00

KF4H, Fafnir, Shielded Ball Bearing. 0.25" I.D., 1.062" O.D., 17/32" Wide.  
Item No. 11-681-4 \$1.00

0026, M-R-C, Thin Ball Bearing, Unshielded. 4.49" I.D., 5.78" O.D., 7/16" wide.  
Item No. 11-633-5 \$6.00

70645, SKF, Thin Ball Bearing, Unshielded 3.3" I.D., 4.07" O.D., 13/32" wide.  
Item No. 11-632-7 \$4.00

51595C, Fafnir, Thin Ball Bearing, Unshielded. 6" I.D., 7" O.D., 1/2" Wide.  
Item No. 11-631-9 \$7.00



## THIN BALL BEARINGS

A542, Norma, Thin Ball Bearing. 1.307" I.D., 1.75" O.D., 1/4" Wide.  
Item No. 11-652-5 \$1.75

50845E, Fafnir, Thin Ball Bearing, Unshielded. 5.5" I.D., 6.5" O.D., 1/2" wide.  
Item No. 11-634-3 \$6.50

53098B, Fafnir, Thin Ball Bearing, Unshielded. 4.49" I.D., 5.78" O.D., 7/16" wide.  
Item No. 11-633-5 \$6.00

0026, M-R-C, Thin Ball Bearing, Unshielded. 5.12" I.D., 6.5" O.D., 0.5" Wide.  
Item No. 11-637-6 \$6.00

70645, SKF, Thin Ball Bearing, Unshielded 3.3" I.D., 4.07" O.D., 13/32" wide.  
Item No. 11-632-7 \$4.00

51595C, Fafnir, Thin Ball Bearing, Unshielded. 6" I.D., 7" O.D., 1/2" Wide.  
Item No. 11-631-9 \$7.00

## SHIELDED BALL BEARINGS

K8A, Fafnir, Shielded Ball Bearing. 0.5" I.D., 1.125" O.D., 5/16" Wide.  
Item No. 11-634-1 \$1.25

K5, M-R-C, Shielded Ball Bearing. .30" I.D., 1.25" O.D., 3/8" Wide.  
Item No. 11-653-3 \$1.25

DF5, Fafnir, Shielded Ball Bearings. .309" I.D., 1.25" O.D., 0.93" Wide.  
Item No. 11-657-4 \$1.25

K3, Nice, Shielded Ball Bearings. 0.187" I.D., .776" O.D., 1/4" Wide.  
Item No. 11-655-8 \$7.00

6303-2R5, SKF, Shielded Ball Bearing. 0.66" I.D., 1.57" O.D., 11/32" Wide.  
Item No. 11-649-1 \$1.50

K8, Nice, Shielded Ball Bearing. 0.5" I.D., 1.68" O.D., 1/2" Wide.  
Item No. 11-630-1 \$1.50

465415, SKF, Shielded one side, Ball Bearing. 0.4" I.D., 1.8" O.D., 0.5" Wide.  
Item No. 11-635-0 \$2.00

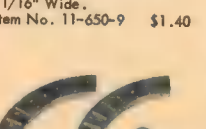
465456, SKF, Shielded one side, Ball Bearing. .98" I.D., 2.04" O.D., 19/32" Wide.  
Item No. 11-621-0 \$2.00

5202K, Fafnir, Shielded Ball Bearing. 0.59" I.D., 1.38" O.D., 0.63" Wide.  
Item No. 11-622-8 \$1.00

KSF6, Norma, Shielded Ball Bearing. 0.38" I.D., 1.430" O.D., 0.54" Wide.  
Item No. 11-623-6 \$1.00

3203, New Departure, Shielded one side, Ball Bearing. 0.68" I.D., 1.67" O.D., 0.47" Wide.  
Item No. 11-624-4 \$1.50

KF6, SKF, Shielded Ball Bearing. 0.37" I.D., 1.4" O.D., 1/16" Wide.  
Item No. 11-650-9 \$1.40



## SPECIAL BEARINGS

1-70739, SKF, Unshielded Roller Bearing. 0.587" I.D., 1.375" O.D., 27/64" Wide.  
Item No. 11-665-7 \$1.00

03163B, Unshielded, Wright engine rocker arm bearing. 0.56" I.D., 1.635" O.D., 1-3/16" Wide.  
Item No. 11-666-5 \$1.60

J-241224, Bowers, Roller Bearing. 0.77" I.D., 1.1" O.D., 11/16" Wide.  
Item No. 11-661-6 \$1.00

GB55, Torrington, Needle Bearing. 0.314" I.D., 0.50" O.D., 19/64" Wide.  
Item No. 11-659-0 \$5.00

52589B/E/J, Fafnir, Roller Thrust bearing segment. 5.5" I.D., 7.92" O.D., 11/32" Wide.  
Item No. 11-647-5 \$8.00

REB3N, Cosco, Rod end bearing. .187" I.D., 1/4-28" female threaded end.  
Item No. 11-648-3 \$1.00

## UNSHIELDED BALL BEARINGS



102320E, M-R-C, Unshielded Ball Bearing. 5.1" I.D., 6.49" O.D., 25/64" wide.  
Item No. 11-684-8 \$6.00

5131, New Departure, Unshielded Ball Bearing. 0.587" I.D., 1.375" O.D., 9/16" Wide.  
Item No. 11-683-0 \$1.00

5202, New Departure, Unshielded Ball Bearing. 0.59" I.D., 1.38" O.D., 0.63" Wide.  
Item No. 11-662-4 \$1.00

2185V1, M-R-C, Unshielded Ball Bearing. 3.545" I.D., 6.3" O.D., 1" Wide.  
Item No. 11-670-7 \$6.00

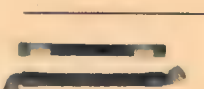
2205V2, M-R-C, Unshielded Ball Bearing. 4.18" I.D., 7.08" O.D., 1-7/64" Wide.  
Item No. 11-672-3 \$7.00

1-70262, SKF, Unshielded Ball Bearing. 4.31" I.D., 6.6" O.D., 1-1/32" Wide.  
Item No. 11-671-5 \$6.50

7120, M-R-C, Unshielded Ball Bearing. 3.95" I.D., 5.7" O.D., 11/16" wide.  
Item No. 11-669-9 \$5.50

39R1, M-R-C, Unshielded Ball Bearing. 0.35" I.D., 1.02" O.D., 5/16" Wide.  
Item No. 11-651-7 \$1.00

1-70465B, SKF, Unshielded Ball Bearing. 0.8" I.D., 2.05" O.D., 0.4" wide.  
Item No. 11-636-8 \$2.00



## RUBBER HOSES WITH FITTINGS

High Pressure Oil, Hydraulic and Gas Hoses, fabric covered. Government Spec. MIL-H-5511, etc. All hoses have removable ends and can be easily shortened if desired.

### 3/16 in. Size

Size 3 with one male end and swivel nut on the other end.

Length	No.	Price
14"	61-573-2	\$1.00

### 1/4 in. Size

Size 4 (about 1/4" inside diameter) "AN" style straight ends.

11"	61-547-6	\$1.00
19"	61-449-5	\$1.00
23"	61-450-3	\$1.00
25"	61-451-1	\$1.00

### 3/8 in. Size

Size 6 (about 3/8" inside diameter) "AN" style straight ends.

7-1/2"	61-552-6	\$1.50
8-1/2"	61-553-4	\$1.50
10"	61-453-7	\$1.50
11"	61-554-2	\$1.50
12"	61-555-9	\$1.50
14"	61-556-7	\$1.50
15"	61-454-5	\$1.50
17"	61-557-5	\$1.50
18"	61-558-3	\$1.50
20"	61-455-2	\$1.50
22"	61-559-1	\$1.50
23"	61-560-9	\$1.50
24"	61-561-7	\$1.50
26"	61-456-0	\$1.50
27"	61-457-8	\$1.50
32"	61-562-5	\$2.00

## UNSHIELDED BALL BEARINGS

3307, New Departure, Unshielded Ball Bearing. 1.38" I.D., 3.14" O.D., 0.82" Wide.  
Item No. 11-613-7 \$3.00

212, Norma, Unshielded Ball Bearing. 2.36" I.D., 4.33" O.D., 7/8" Wide.  
Item No. 11-614-5 \$4.00

214V, M-R-C, Unshielded Ball Bearing. 2.75" I.D., 4.92" O.D., 0.8" Wide.  
Item No. 11-615-2 \$5.00

S-191, SKF, Unshielded Ball Bearing. 3.54" I.D., 7.14" O.D., 1" Wide.  
Item No. 11-616-0 \$7.00

1-70438, SKF/Pratt & Whitney 8-12026, Unshielded Ball Bearing. 3.54" I.D., 5.8" O.D., 1" Wide.  
Item No. 11-617-8 \$5.00

5205, New Departure, Unshielded Ball Bearing. 0.98" I.D., 2.5" O.D., 0.8" wide.  
Item No. 11-618-6 \$2.50

1-70027, SKF, Unshielded Ball Bearing. 4.18" I.D., 7.09" O.D., 1-7/64" wide.  
Item No. 11-619-4 \$7.00

9125-4, M-R-C, Unshielded Ball Bearing. 4.92" I.D., 7.87" O.D., 1-5/32" wide.  
Item No. 11-620-2 \$8.00

3308, New Departure, Unshielded Ball Bearing. 1.58" I.D., 3.54" O.D., 0.9" Wide.  
Item No. 11-612-9 \$3.50

## THRUST BEARINGS

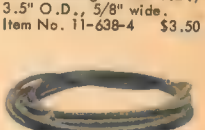


465733/EA77377, SKF, Ball Bearing. 2.74" I.D., 4.0" O.D., 1-1/16" wide.  
Item No. 11-641-8 \$4.00

EM-41, Roller Thrust Bearing. 2.5" I.D., 4.0" O.D., 0.8" Wide.  
Item No. 11-640-0 \$4.00

1114F4/EA-77377, M-R-C, Ball Thrust Bearing. 2.7" I.D., 4.0" O.D., 1-1/16" Wide.  
Item No. 11-639-2 \$4.00

1-71735/EA55982, SKF, Ball Thrust Bearing. 2.75" I.D., 3.5" O.D., 5/8" wide.  
Item No. 11-638-4 \$3.50



## HIGH PRESSURE HOSE

High pressure aircraft type hydraulic hose. Has steel reinforcing braid covered with cloth braid. Rubber lined. Size: approx. 3/16" I.D., 1/2" O.D. New Surplus.  
20 Foot Roll \$5.00  
50 Foot Roll \$10.00  
Item No. 11-270-6... \$5.00  
Item No. 11-271-4... \$10.00

## AIRCRAFT TAIL SPRING

Aircraft tail spring - for leaf. Approx. 18" long, 1-1/2" wide, with 7/16" hole at one end. Shipping Weight approx. 6 lbs. 2 ozs.  
Item No. 12-821-5 \$5.00



## SAFETY WIRE

Soft Stainless Safety Wire. Type 302 - in handy one pound dispensers.  
.032 Size Item No. 13-056-7... \$3.50  
.040 Size Item No. 13-057-5... \$3.50



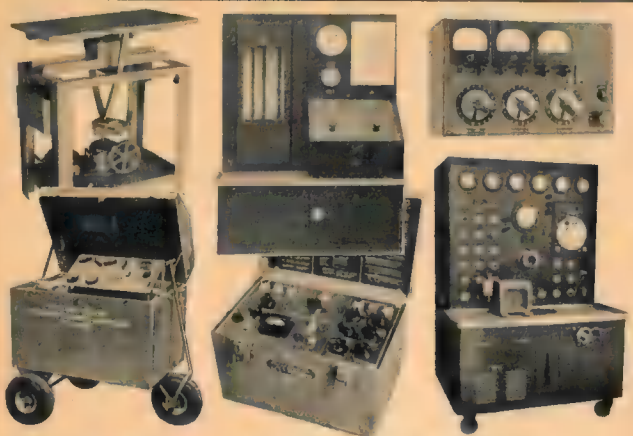
## PROTECTIVE PLUG

Protective male plug fits all standard ground starting cables to prevent shorting. Insulated cap plugs into female outlet. Shipping weight 2 lbs.  
Item No. 12-846-2 \$3.50



# Aircraft Test, Generators & Electric Motors

## Aviation's Largest Stock of Aircraft TEST AND SERVICING EQUIPMENT



We buy and sell test servicing equipment.

Fuel Pump Test Stands  
Hydraulic Test Stands  
Flow Meters  
Carburetor Flow Benches  
Cabin Leakage Testers  
Humidity Test Chambers  
Vacuum Chambers  
Oil Cooler Testers  
Sub Zero Test Chambers  
Electric Weighing Scales  
Oxygen Regulator Testers  
Load Banks

Generator Test Stands  
Vacuum-Pressure Test Stand  
Axial Flow Fan Testers  
Magnaflix  
Propeller Governor Test Stands  
Propeller Balancer  
Scorsby Gyro Test Stands  
AEROMETER Test Stand  
Airspeed & Altimeter Tester  
Aircraft Heater Test Stand  
Electric Prop Governor Test Stand  
And many, many more!

We sell to aircraft repair facilities, schools, overseas accounts, etc. Complete details on request.

### TEMPERATURE RISE DETECTOR



Temperature rise detector unit, Allison Part No. 6718106, measures 3-1/4" long with 3/8" x 1-3/4" bulb unit, single screw terminal for connection. New Surplus. Shipping Wt. 1 lb. Item No. 71-567-2



**INVERTER TESTER**  
Aircraft Inverter Test Set checks inverters as follows:

0-35 Volts DC input, 0-35 amperes DC input, 0-150 Volts, 400 cycle, output, and 0-1.5 amperes, 400 cycle, output.

Also checks frequency output from 380 to 420 cycles. Comes complete with necessary cables and plugs in steel carrying case. Measures 5" x 14" x 18" with instruction manual. Model No. TS-1409/U, Part No. 166-4905. Works with Inverter MS-25093, E-1616, E-1617, E-5109, etc. Surplus. Brand new. Item No. 11-772-1

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\$11500

### PROP TEST CLUB



Test club, Research Engineering Corp., Pt. No. 679-4-686-1, consisting of steel hub and 3 wooden blades. Item No. 11-231-8

### P & W R-985 PROP SPINNER



Propeller Spinner fits the Hamilton Standard propellers. Has metal ring less backing plate. Made by Air Associates Model HC-1026. 14-1/2" diameter ring, 12-1/2" long.

Shipping Weight 8 lbs. Surplus. Item No. 61-434-7

### WINDSHIELD WIPER KIT



Standard Aircraft Wiper Set includes 24 volt motor, gear box drive, flexible shafting, a 15" wiperblade, etc. Complete with all connectors, mounting hardware and circuit breakers switch, all ready to install. Shipping Weight 20 lbs. Model 30V10E. Item No. 21-025-2

### TWIN WINDSHIELD WIPERS

Standard Aircraft Electric Dual Wiper Set includes 24 volt 2-speed motor, gear box drive, flexible shafting, two 11" wipers, etc. Complete with all connectors, mtg. hardware and circuit breaker switch ready to install. Model 29V3E with A7012 Motor. Shipping Weight 19 lbs. Item No. 21-011-2

### P & W ENGINE PARTS



Pratt and Whitney Rear Accessory Case No. 31521. Costing No. 25384. Overhauled. Item No. 61-178-0

### INSTRUMENT TESTER



Air Force C-1 aircraft instrument test stand checks pressure and vacuum instruments, tachometer without moving them from aircraft. Complete with vacuum and pressure pump, cart cables, adapters, shafts. Item No. 51-057-8

### PORTABLE POWER PLANT



Fairchild Accessory Power Plant with a two cylinder air cooled motor, 10 H.P., 3200 RPM, hand recoil starter. Can also be started by using generator as motor. Output is 28 volts DC, 175 amps, Eclipse Generator. Unit is designed for auxiliary use as a special purpose generator. May be used for emergency welding, aircraft starting, etc. Unit measures 30" long, 21" wide, 17" high. Surplus. Shpg. wt. 165 lbs. Model No. V-32 D-2. These units are sold "as is" and are believed to require overhaul. We have sold all of the tested units at \$250.00 each, and are now disposing of the balance of the inventory at \$75.00 each. Item No. 51-474-5

We have sold all of the tested units at \$250.00 each, and are now disposing of the balance of the inventory at \$75.00 each. Item No. 51-474-5



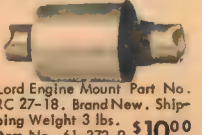
### AIRCRAFT ENGINE CYLINDER TEMPERATURE INDICATOR

A-1 Cold Cylinder Temperature Indicator is self-contained instrument that shows the relative temperature of any part of an engine just by touching it with the three foot insulated probe. Reads from 0-350°. The Style No. is 47G11561, Model HD-12-45. Surplus. Shipping Wt. 6-1/2 lbs. Item No. 51-218-6

### ENGINE SHOCK MOUNTS



Lord Dynafocal Shock Mount Assembly. Consists of Part Nos. 49055H, 1452A, WB-M20512, 49056B, 47078 and 70408A. Brand New. Shipping Weight 9 lbs. Item No. 61-373-7



Lord Engine Mount Part No. RC 27-18. Brand New. Shipping Weight 3 lbs. Item No. 61-372-9

### AIRCRAFT REMOTE COMPASS TESTER



Remote Indicating Compass and Magnesyn Compass Test Set for all aircraft and marine installations. This unit checks both instruments and the complete installation. Complete with 2 leads and carrying case. Part No. 43G23330; McClintock No. 12D400. Shipping Weight 6 lbs. Item No. 51-003-2

### MINIATURE BLOWER UNIT



Miniature blower unit to cool air, etc. Has 1 1/2" centrifugal fan with miniature 27 volt, 1.0 ampere motor, continuous duty, 10,000 RPM. Furnishes 20 cubic feet per minute of cooling air. Motor diameter 1 3/16" by 1 7/8" long. Fan approximately 2" diameter with air blast opening measuring 7/8" by 1". Brand new, surplus. Shipping weight 1 lb. 8 oz. Item No. 12-705-0

### VIBRATING INSTRUMENT TEST PANEL



Air Force Instrument Vibration Test Panel for checking up to 16 instruments. Standard 3-1/8" openings. 11" high x 35" long. Powerful vibrator and clutch and 115 volt cycle motor. Item No. 51-032-1

### AIR FILTER UNIT



Giant Air Filter Unit Assembly, gauze filled with fine mesh screen covering. Measures approx. 2' thick x 15" x 20". Vokes Aerovox Filter. New Surplus. Shipping Weight 5 lbs. Item No. 61-433-9

### AIRCRAFT ACCESSORY DRIVE UNIT



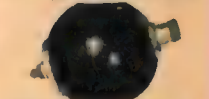
Aircraft Accessory Drive Unit. 24 volt, 6 amps, .03 H.P. furnishes 400 RPM output. Dumore Type 6350728. Measures 9" long x 4" diameter. Surplus. Shipping Weight 7 lbs. Item No. 61-515-3

### WIND DRIVEN GENERATOR



12 Volt Wind Driven Generator for all aircraft up to 250 miles per hour. Fits all aircraft such as Aeronca, Taylorcraft, Cub, Luscombe, etc. Autolite automatic voltage regulator adjusts output up to 10 amperes to prevent overcharging of battery. The stand-off bracket mount makes installation easy. For aircraft with never exceed speed of 150 MPH. Shipping Weight 11 lbs. Item No. 81-494-7

### HYDRAULIC ACCUMULATOR



Hydraulic Accumulator. Vickers AN62033. Approximately 1.1" diameter. For use in high pressure hydraulic systems as a pressure storage device. 500 cubic inches. Surplus. Shipping Weight 15 lbs. Item No. 61-358-8

### DYNAMOTOR



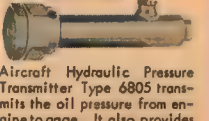
General Electric dynamotor Model 5D Y82A81, continuous duty rating, D.C. input at 28 volts, 1.1 amp. Output is 250 volts D.C. at .06 amps. Western Electric KS-55721. 23/4" diameter, 4 1/2" long, shipping weight 4 lbs. Signal corp type DM-32-A. Surplus. Item No. 12-828-0

### AIRCRAFT ACTUATOR UNIT



Aircraft Actuator Unit. 24 volt D.C. Motor drives right angle reduction gear to give high torque, slow speed output. Output shaft turns less than 90° to operate all cooler doors. Douglas Spec. No. 221. Measures 14" long, 7" high. Shipping Weight 17-1/2 lbs. Surplus. Item No. 61-514-6

### HYDRAULIC PRESSURE TRANSMITTER



Aircraft Hydraulic Pressure Transmitter type 6805 transmits the oil pressure from engine to gauge. It also provides right shut-off in case of gauge line failure. Item No. 71-564-9



# Aircraft Refinishing Material



## NITRATE DOPE

Item No.	Price
Clear Nitrate Dope	
1 Gallon Can	12-620-1 \$ 3.08
5 Gallon Pail	12-621-9 14.58
55 Gallon Drum	12-622-7 151.25

Nitrate Thinner	
1 Gallon Can	12-623-5 2.48
5 Gallon Pail	12-624-3 11.55
55 Gallon Drum	12-625-0 117.98

Anti-Blush Thinner	
1 Gallon Can	12-626-8 3.30
5 Gallon Pail	12-627-6 15.13
55 Gallon Drum	12-628-4 163.35

Nitrate Black	
1 Gallon Can	12-629-2 3.50
5 Gallon Pail	12-630-0 16.75

## BUTYRATE DOPE

Item No.	Price
Clear Butyrate Dope	
1 Gallon Can	12-633-4 \$ 4.29
5 Gallon Pail	12-634-2 20.63
55 Gallon Drum	12-635-9 217.80

Butyrate Thinner	
1 Gallon Can	12-636-7 \$ 3.52
5 Gallon Pail	12-637-5 16.78
55 Gallon Drum	12-638-3 175.45

## BUTYRATE COLORS

Item No.	Price
Insignia Red	
1 Gallon Can	12-639-1 \$ 6.33
5 Gallon Pail	12-640-9 30.25

Insignia Blue	
1 Gallon Can	12-643-3 6.33
5 Gallon Pail	12-644-1 30.25

Piper Cub Yellow	
1 Gallon Can	12-645-8 6.33
5 Gallon Pail	12-646-6 30.25

Aluminum	
1 Gallon Can	12-649-0 6.33
5 Gallon Pail	12-650-8 30.25

Black	
1 Gallon Can	12-651-6 6.33
5 Gallon Pail	12-652-4 30.25

White	
1 Gallon Can	12-653-2 6.33
5 Gallon Pail	12-654-0 30.25

## ZINC CHROMATE PRIMER

Item No.	Price
1 Quart Can	12-609-4 \$ 2.75
1 Gallon Can	11-355-5 7.15

Toluol Zinc Chromate Thinner	
1 Gallon Can	11-357-1 1.60

Zinc Chromate Primer in spray can. Easy to use, no mess or fuss. 16 ounce cans, meets Government Spec. No. MIL P6889A and MIL P8585. Shipping Weight 2 lbs. Item No. 41-001-9.....\$19.5

Buy 12 Cans at a time and save. Item No. 41-012-6.....\$18.00

## INSPECTION HOLE RINGS

Package of 10 .035 Acetate Inspection Hole Rings. Shipping Wt. 1 lb. Item No. 41-028-2.....\$10.00

## ACETATE DRAIN GROMMETS

3/4" x 5/16" Acetate Drain Grommets. Comes in package of 100. Shipping Wt. 1 lb. Item No. 41-029-0.....\$12.5

Seaplane Type Grommets. Comes in package of 100. Shipping Weight 1 lb. Item No. 41-030-8.....\$30.00

## WING COVERING MATERIAL



Width	Price Per Yard	Item No.	Price Per Yard For 100 Yards
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NEW COTTON  
New Production Grade A - FAA Specification. TSO-C15.

42"	\$1.50	12-262-2	\$1.40
60"	2.40	12-263-0	2.30

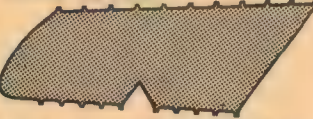
NEW LINEN  
42" \$2.25 12-266-3 \$2.14  
60" 3.25 12-267-1 3.15

## WING & FUSELAGE COVERS



Complete wing and fuselage cover set. Weatherproof, 10 oz. canvas. Easy to install, comes complete with zippers and tie down straps. Will fit almost any high wing airplane. Several openings are provided in convenient locations for radio antennas, etc. Even comes complete with wheel pant covers. A tremendous value. Brand New.  
Item No. 21-456-9.....\$65.00

## WING COVERS



Protect your aircraft with a set of wing covers. These brand new, waterproof canvas covers, just released by the Air Force, are perfect for protecting your aircraft in any kind of weather. Measures 21" long and 7-1/2" wide at the large end. Covers can be used on either wing or fuselage. Comes complete with ropes for fastening. Brand New.  
Item No. 11-100-5 Per Pair - \$25.00

## MARTIN FABRIC WIRE CLIPS



### Fastens Fabric to Wings

Complete kit for PA 18A with flaps, PA20, PA 22 with flaps, PA 25.  
Item No. 11-187-2.....\$19.95

Complete kit for J3, J 4-14 rib wing, PA 11, PA 14 with flaps, PA 16, PA 18, PA 18A without flaps, PA 22/108, Aeronca 7AC, 11AC, Taylorcraft.  
Item No. 21-516-0.....\$22.50

Complete kit for J4-16 rib wing, J5, PA 12, PA 14 without flaps, PA 15, PA 17.  
Item No. 11-188-0.....\$22.50

## RIBSTICH CORD

Ludlow No. 9, mildew resistant, waxed with a 56 pound test. Shipping Weight 2 lbs.

Item No. 41-006-8....Per Roll - \$3.50

Unwaxed No. 9 Cord. Shipping Weight 2 lbs.

Item No. 41-007-6....Per Roll - \$3.65

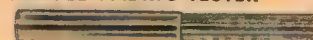
Dealer Carton of 5

Item No. 12-528-6....Per Roll - \$3.30

## PINKED TAP

Grade A - FAA Specification - 100 yard rolls. New Production - Guaranteed Perfect Quality. Shipping Weight 3 lbs. 2" Width.  
Item No. 41-021-7.....\$7.10

## MAULE FABRIC TESTER



New MAULE FABRIC TESTER checks your airplane for minimum FAA requirements without removing or punching any holes in the fabric. The fabric tester is accurately calibrated in one inch pounds. With wood carrying case. Shipping Weight 2 lbs. Item No. 31-552-3.....\$48.85

## FABRIC TESTER



Fabric burst-strength tester. Checks the strength of fabric by burst method. This unit contains its own built-in pressure pump and associated relief valves and gages. Gage reads 0-600 lbs. Operates from any 110-volt outlet. Manufactured by Pacific Air motive. Measures 21" x 18" x 14". Surplus, excellent condition. Model TE-5761  
Item No. 11-904-0.....\$100.00

## WING WALK



This safety-walk is an abrasive coated non-slip material used on wing walkways, step ladders, porch steps and many other slippery surfaces.

ADHESIVE TYPE BACKING:  
6 Inch Width. Shipping Wt. 1 lb. per foot.  
Item No. 61-041-0 Per Foot 50¢  
6" x 24" Pad. Shipping Wt. 1 lb. per Pad.  
Item No. 61-040-2.....Each \$1.00

## WING-WALK COATING

Walk-Way Coating for aircraft wings, step-ladders, scaffolding, walk-ways, etc. Non-slip, black color, manufactured by Glidden Paint Co. Meets military specifications, MIL-W-5044A, Type 1.

Item No. 12-442-0.....\$17.5

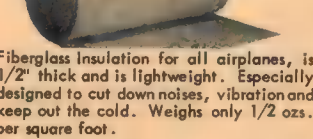
1 Quart Can

Item No. 12-443-8.....\$4.50

5 Gallon Can

Item No. 12-444-6.....\$17.50

## FIBERGLASS INSULATION



Fiberglass insulation for all airplanes, is 1/2" thick and is lightweight. Especially designed to cut down noises, vibration and keep out the cold. Weighs only 1/2 ozs. per square foot.

6 ft. x 100 ft. Roll

Item No. 11-559-2.....\$50.00

3 ft. x 100 ft. Roll

Item No. 11-560-0.....\$30.00

3 ft. x 50 ft. Roll

Item No. 11-561-8.....\$15.00

Per Square Yard

Item No. 41-008-4.....\$12.5

## LEADING EDGE TAPE



Leading Edge Protective Tape, self-sticking black plastic tape protects wings and tail from nicks caused by stones and gravel, easily installed, sticks to anything. 4" wide. 100 foot roll. Shipping Weight 3-1/2 lbs.  
Item No. 61-370-3.....\$8.00  
Dealer Carton of 6 Rolls.  
Per Roll - \$6.00

## MASKING TAPE



Masking Tape, highest quality crepe backing, high temperature resistant (up to 250°F for baking), not affected by common paints or solvents, won't pull itself loose like most tapes, strips clean with sharp edge. Type 294, 3/4" width, 60 yard rolls.  
Item No. 61-337-2

1 roll.....(\$1.10 each)

5 rolls.....(.75 each).....\$ 3.75

48 rolls.....(.52 each).....\$24.96

## REINFORCING TAPE

Size	Length	Item No.	Price
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3/8" 144 yds. 41-023-3 \$4.41

1-1/2" 144 yds. 41-025-8 5.50

2" 144 yds. 41-026-6 6.50

## WATERPROOF TAPE



Waterproof polyethylene cloth tape has a pressure sensitive backing. Used to make air-tight joints and overlaps, repair tears in fabric, etc. Silver color blends well with most applications. 1-3/4" by 720" Type JM357. Shipping Weight 2 lbs. Item No. 12-020-4.....\$4.00

## ALUMINUM FOIL TAPE

Aluminum Foil Tape has a layer of aluminum coated with special self-sticking adhesive. Used for patching, sealing of joints, etc. 2" wide x 720" long. Shipping Weight 2 lbs.  
Item No. 41-034-0.....\$4.00

## ALUMINUM POWDER



325 Mesh, 99% Pure, Extra Brilliant and Extra Fine. Spec. AN-TT-A-461A. 1 Pound Can - Shipping Weight 2 lbs. Item No. 21-474-2.....\$19.5

10 - 1 Pound Cans - Shipping Weight 14 lbs.

Item No. 11-563-4.....\$15.00



# Aviation's Leading Supplier of Instruments



## TURN AND BANK KIT

Turn and Bank comes complete with Venturi and necessary installation items. The Turn and Bank is the standard model that fits all aircraft instrument panels (3-1/8" hole size). Comes complete with Air Filter and Ball Bank Indicator. Instrument has 90 day free replacement warranty.

The Installation Kit includes brand new Venturi, Needle Pressure Regulating Valve, Rubber Tubing, Fittings, Hose Clamps, Mounting Screws and complete Instructions. Easily installed anywhere. Shipping Wt. 3 lbs.

Item No. 71-657-1

**\$32 50**



## TURN & BANK

Fits the standard 3-1/8" instrument panel hole and includes a spirit level bank indicator. Certified by an FAA Approved Instrument Repair Station.

Units come complete with luminous dials, 4 mounting screws, instructions, filters or cords. All have the standard 90 day free replacement. Vacuum Type Instrument. Shipping Weight 2 lbs. Item No. 71-081-4

**\$37 50**



## BANK TURN

### CONTROLLER

Automatic Pilot Bank Turn Controller made by Sperry Gyroscope Co. Part No. 646400. Contains gear box, electrical contact assemblies and 2 power rheostats rated at 50 ohms, 50 watts and 200 ohms, 24 watts. 7" long, 4" wide. Surplus. Shipping Wt. 4 lbs. Item No. 71-593-8

**\$5 00**



## ELECTRIC TURN & BANK

For new and replacement installations where no venturi tubes are wanted and for increased safety against vacuum system failure. Model fits all standard 3-1/8" instrument panel holes, and measures 5-3/4" long. 12 Volt Type.

Shipping Wt. 3 lbs. Item No. 71-181-2

**\$90 00**

24 Volt Type. Shipping Wt. 3 lbs. Item No. 71-182-0

**\$47 50**

## SMALL SIZE TURN & BANK



The 2-1/2" small size Turn & Bank Indicator is used in many of the late model aircraft. Unit measures 6" long, weighs about 1-1/4 lbs., and is an exact replacement. 2-1/2", 24 volt Electric Turn & Bank. Certified. Shipping Wt. 4 lbs. Item No. 71-685-2

**\$110 00**

## TURN & BANK



British Air Ministry Mark I Instrument is vacuum driven, has self-luminous dial, shows up to a 4 minute rate of turn.

Angle of bank to 20°. Instrument fits 4-1/2" mounting hole and air filter. Shipping Weight 3 lbs. Item No. 71-180-4

**\$10 00**

## VACUUM REGULATOR



## Automatically controls suction for gyro instruments

Suction Regulator Valve has one inlet and three outlets for Gyro Horizon, Directional Gyro and Turn and Bank. Adjustment screw sets pressure as required. Manning, Maxwell and Moore, Inc. Part No. 6830A. Shipping Weight 1-1/2 lbs. Item No. 71-698-5

**\$25 00**

## VACUUM REGULATOR



Schwein Model 2650-A Automatic Vacuum Regulator for Gyros and Turn and Bank. Output is both 4" and 2" of pressure. Shipping Weight 2 lbs. Item No. 71-653-0

**\$19 50**

## VACUUM GAGE



Stewart Warner engine vacuum or manifold Pressure gage. Round dial fits 2-1/16" dial hole. Black dial with chrome ring. Reads 0-30 inches. Model No. 355-A. Shipping Wt. 1-1/2 lbs. Item No. 11-019-7

**\$137 50**

## TURN & BANK VENTURI



Type 2" venturi furnishes proper vacuum for operating Turn and Bank instruments. Shipping Wt. 1 lb. Item No. 71-046-7

**\$12 50**

## GYRO VENTURI



Type 4" Venturi is used to operate a Directional Gyro or Artificial Horizon. When used to operate a Directional Gyro, there is sufficient capacity to also operate a Turn and Bank instrument. All aluminum construction. Shipping Weight 2 lbs. Item No. 71-047-5

**\$17 50**

## HIGH CAPACITY VENTURI



New Type High Capacity Venturi will handle Turn and Bank, Directional Gyro and Artificial Horizon. Shipping Wt. 2 lbs. Item No. 71-293-5

**\$27 50**

## SPERRY DIRECTIONAL GYRO



Sperry Directional Gyro with ball bank panel indicator. Model A-3, comes complete with ball bank, reset and locking knob, air filter, fluorescent dial. Fits standard 3-1/8" panel opening and operates on the standard 4" HG Vacuum. Newly overhauled by FAA Instrument Repair Station. Guaranteed free replacement for 90 days. Shipping Weight 5 lb. Item No. 11-235-9

**\$75 00**

## ELECTRIC DIRECTIONAL GYRO



Electric Directional Gyro fits 4-5/16" panel hole. Caging knob at lower right-hand corner. Power required is 115 volts, 400 cycles, 3 phase power obtainable from any standard inverter with either 12 or 24 volt input. Inverter not included. Measures 5" x 5-3/8" x 6-1/4" deep.

Just released by Air Force as surplus. Appear to be in excellent condition, but not checked. Sperry No. 675174, NAF Part No. 1318-3, or equivalent. Surplus. Shipping Weight 6 lbs. Item No. 11-247-4

**\$75 00**

## LIGHTWEIGHT GYRO



The Jack and Heintz Lightweight Directional Gyro is similar in size and appearance to other gyros, but weighs only 2-1/2 pounds instead of the heavier 4-1/4 pounds that most other gyros weigh. Fits the standard 2-7/8" instrument panel opening. Has setting and caging knob at bottom.

4-1/2" square on front. 5-1/4" long. Operates on 3-1/2 to 4 inches of suction.

Complete with internal air filter. Model No. AN 5735-1, J & H No. 5500. Nice, bright dial markings. Rebuilt and Certified Airworthy by FAA approved instrument shop. 90 day free replacement guarantee.

Shipping Weight 3-1/2 lbs. Item No. 71-581-3

**\$100 00**

## DIRECTIONAL GYRO



The Directional Gyro is required for all instrument flying. Vacuum operated, this instrument shows flight direction and does not oscillate or swing like a magnetic compass. This model fits almost all aircraft. Type AN5735-1 fits 2-7/8" hole, 4-1/4 pounds, 6" long, with air filter, luminous dial, setting knob, etc.

Certified Airworthy by FAA Approved Instrument Repair Station. With standard 90 day free replacement. Shipping Weight 5 lbs. Item 71-010-3

**\$100 00**

## NEW TYPE DIRECTIONAL GYRO



**You Save \$61.36**

R.C. Allen Model RCA-10 Direction Indicator will not spill in extreme maneuvers.

A full 360° freedom with minimum drift; requires little adjustment. The spring loaded "push-and-turn" knob eliminates accidental caging.

Has Vertical card presentation and fits a standard 3-1/8" panel cutout. Central filter for maximum efficiency and life.

Easily replaceable. Approved per FAA TSO C4c. Vacuum operated, new production. Shipping Wt. 6 lbs. Item No. 71-694-4. List Price \$275.00

Net Price - **\$213 64**

External air filter required for above instrument. Shipping Weight 2 lb. Item No. 11-292-0

**\$12 00**

## AUTOMATIC PILOT DIRECTIONAL GYRO



Automatic Pilot Directional Gyro for Mark 4 automatic pilot. The air operated directional gyro is the master control unit for the automatic pilot. This operates, through associated Solenoids, the hydraulic cylinders that operate rudders on the Mark 4 automatic pilot.

This unit measures approx. 5" x 7" x 12". Sperry Electric Auto-Light No. 648046. Surplus. Shipping Weight. 10 lb. Item No. 71-616-7

**\$25 00**

## TURN & BANK NEEDLE VALVE



AN5829 manually adjustable Needle Valve is used with all Turn & Bank Instruments. Complete with lock nut and mounting flange. Shipping Wt. 1 lb. Item

**\$3 50**

No. 71-005-3



# Aircraft Temperature Gages

## COMBINATION EXHAUST GAS TEMP & CYLINDER HD. TEMP.



The Model R-20-S is designed to make EGT available to those pilots whose instrument panels are too full to permit installation of another instrument, but who do have an existing Cylinder Head Temperature Indicator. The Radair EGT/CHT head is substituted for the existing instrument, a Radair thermocouple sensing element is installed in the engine exhaust, and the pilot has positive indication of the two related temperature values. CHT indication is conventional 0° to 600° F. Model R-20-S. Shipping Weight 3 lbs. Item No. 11-787-9 **\$265.00**

## CARBURETOR ICE DETECTOR



**Detects icing conditions inside Carburetor**  
This new style Carburetor Air Temperature Instrument uses a new miniature 8-5 temperature probe that fits directly inside the Venturi throat of Marvel Schelbler carburetors used in most current model aircraft. FAA approved. Complete with wiring. Shipping Weight 1-1/2 lbs. Item No. 71-340-4 **\$43.25**



Twin engine model with 3-1/8" gage, 2 probes, instructions, wiring, etc. Shipping Wt. 2 lbs. Item No. 71-341-2 **\$84.75**  
Extra Richter Carburetor Probes. Shipping Weight 1 lb. Item No. 11-758-0 **\$19.00**

## AIR TEMP GAGE



Weston Aircraft Air Temperature Gage with large, sensitive movement. Reads from -30° to +60°C. Fits standard 3-1/8" instrument panel opening. Electrical type. Surplus. Shipping Wt. 2 lbs. Item No. 71-255-4 **\$7.50**

## CYLINDER HEAD TEMP. KIT



If you are short of instrument panel space, use these new type 2-1/4" small face instruments. Easily installed, each kit includes the proper thermocouple, leads and bright dial instrument.

Kit with 18MM spark plug thermocouple fits most Lycoming and Continental engines. Shipping Weight 3 lbs. Item No. 71-354-5 **\$48.00**

14MM spark plug gasket kit fits almost all of the Franklin Engines. Shipping Weight 3 lbs. Item No. 71-355-2 **\$48.00**

Many late model engines use the kit with the bayonet type thermocouple. Shipping Wt. 2-1/2 lbs. Item No. 71-356-0 **\$52.00**

## CARBURETOR AIR TEMP.



Standard Type Carburetor Air Gage has the larger style resistance bulb used in many aircraft carburetors.

Single Engine - 24 Volts. Shipping Weight 3 lbs. Item No. 71-036-8 **\$18.50**

Twin Engine - 12 Volts. Shipping Weight 3 lbs. Item No. 71-037-6 **\$37.50**

Twin Engine - 24 Volts. Shipping Weight 3 lbs. Item No. 71-038-4 **\$37.50**

## OIL TEMP GAGE



Stewart Warner Oil Temperature Gage for light aircraft. Round dial fits 2-1/16" dial hole. Has black dial with chrome ring. Reads 100 to 250°F. Complete with 72" length of tubing and 1/2" pipe thread for engine connection. Model No. 361-A-1/2". Shipping Wt. 1-1/2 lb. Item No. 71-668-8 **\$14.95**

Also available with 3/8" pipe thread connection. Model No. 361-A-3/8". Shipping Weight 1-1/2 lbs. Item No. 11-017-1 **\$12.95**

## CYLINDER HEAD TEMP AND CARBURETOR MIXTURE TEMP



Here is a new panel space saver. This new combination Cylinder Head Temperature and Carburetor Mixture Temperature Gage fits the regular 3-1/8" instrument panel opening and combines two instruments in one. The cylinder head temperature side has a range from 80 to 260 degrees centigrade. The carburetor mixture side has a range from minus 40 to plus 40 degrees centigrade.

Gage is furnished with all necessary wire, connectors, miniature 8-5 Temperature probe for carburetor and an AN-5546-1 cylinder head temperature bulb. This unit operates on either 12 or 24 volts D.C. Shipping Weight 3 lbs. Item No. 71-509-4 **\$80.25**

## THRU-THE-WINDSHIELD OUTSIDE AIR THERMOMETER



Outside Air Temperature mounts either thru windshield of fuselage. Reads both Fahrenheit and Centigrade. 2" dial, 4" stem, mounts thru any 3/8" hole. Rustproof stainless steel. Easy to read. Shipping Wt. 1 lb. Item No. 71-148-1 **\$12.75**

## OIL TEMP GAGE



Oil Temperature Gage - 12 or 24 volt models fit all aircraft. Temperature bulb screws into oil tank and is electrically connected to a standard 3-1/8" dual gage with wire furnished. Complete with instructions, connectors, terminals, mounting screws and wiring diagram. Shipping Weight 3 lbs.

12 Volt Model Item No. 71-051-7 **\$37.50**

24 Volt Model Item No. 71-052-5 **\$37.50**

## UNIVERSAL AIRCRAFT ELECTRICAL THERMOMETER



For use as oil temperature, outside air temperature, etc. Works with standard "AN" temperature bulb. Standard 2-1/4" dial size, operates on 12 or 24 volts DC. Type AN5790-6. Surplus, checked and operable. Item No. 12-928-8 **\$27.50**

## OUTSIDE AIR TEMPERATURE BULB



Outside Air Temperature Bulb interchangeable with standard "AN" type. Mounts on surface skin of aircraft and measures outside air temperature. Sutton-Horsley No. R-433-3, Ref. No. 6AA-840. Use with AN 5790-6 or AN-5795-6 temperature gage or equivalent. Brand New. Shipping Weight 1 lb. Item No. 71-056-6 **\$5.00**

## THERMOCOUPLES



Thermocouples for Cylinder Head Temperature Gages. 18MM Spark Plug Gasket Style: Copper-Constantan (1 yellow wire and 1 red wire). Shipping Wt. 1 lb. Item No. 71-524-3 **\$4.00**

Iron-Constantan (1 yellow wire and 1 black wire). Shipping Wt. 1 lb. Item No. 71-525-0 **\$4.00**



14MM Spark Plug Gasket Style: Copper-Constantan (1 yellow wire and 1 red wire). Shipping Wt. 1 lb. Item No. 71-526-8 **\$4.00**

Iron-Constantan (1 yellow wire and 1 black wire). Shipping Wt. 1 lb. Item No. 71-527-6 **\$4.00**



Bayonet Type-Quick Release Style: Iron-Constantan (1 yellow wire and 1 black wire). Part No. AN5541-1. Shipping Wt. 1 lb. Item No. 71-528-4 **\$5.00**

Threaded engine adapter to fit AN5541-1 Bayonet type thermocouples. Has 1/8" pipe thread. Part No. AN 4076-1. Item No. 12-254-9 **\$1.50**

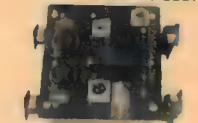
Iron-constantan thermocouple fits 1/8" pipe thread opening. For use with aircraft type thermocouple gages. Item No. 12-773-8 **\$4.50**

## ELECTRIC THERMOMETER



AN 5795-6 Dual Electric Thermometer fits all aircraft with either 12 or 24 volt D.C. electrical systems. For use with the standard aircraft AN 5525 temperature bulb. Standard 3-1/8" dial size fits all instrument panels. New, Surplus. Shipping Weight 2 lbs. Item No. 71-098-8 **\$15.00**

## ENGINE TEMP CONTROLLER



Model No. 101-1A, manufactured by the Bristol Co., Waterbury Conn. Contains thermostats, control relays, in shock mounted case. Navy Stock No. RB17-C34590-500. 24 volts. Surplus. Shipping Weight 11 lbs. Item No. 71-602-7 **\$25.00**

## TEMP. RESISTANCE BULBS



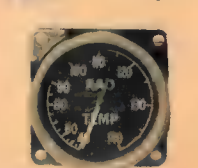
AN5525-1 Temperature Resistance Bulbs. This is the resistance bulb used in almost all aircraft for measuring air, water, oil and carburetor air temperature. AN 5525-1 (MS-28034-1). Edison Mfg. New Production. Shipping Wt. 1 lb. Item No. 71-055-8 **\$12.50**



Temperature Bulb Model 52-B. 4" long with 3/16" x 1-7/8" probe. Shipping Weight 1 lb. Item No. 71-054-1 **\$5.00**



General Electric temperature transmitter, Part No. TJ-10, type 56946-2, 12 volts D.C., 0 to 120 degrees centigrade or 32 degrees to 248 degrees Fahrenheit. Overall length 7" temp probe measures 7/16" by 4". Shipping weight 1 lb. 8 oz. New, surplus. Item No. 12-836-3 **\$7.50**



Aircraft radiator temperature gage reads from 40 to 140° C. 2 1/2" dial face with square surface mounting pad. Complete with long capillary tube and temperature bulb. Type 6A/498. Government surplus. Item No. 12-859-5 **\$3.50**

## REMOTE AIR TEMP



Remote Reading Outside Air Temperature Gage has a five foot capillary tube with a sensitive coil on end. Gage fits the standard 2-1/4" instrument panel hole. Self-contained. Non-electric. Shipping Wt. 2 lbs. Item No. 71-033-5 **\$5.00**

## CYLINDER HEAD TEMP. GAGE



Cylinder Head Temperature Gages measures the temperature directly at the spark plug and is an indicator of best engine operation. Easily installed, the gage comes complete with wire, thermocouple, single or dual gage and full and complete instructions. Gage fits all standard 3-1/8" instrument panel holes. To install, just replace any spark plug copper gasket with the special gasket supplied and connect to the instrument. Most Continental and Lycoming use 18MM sizes Franklins generally use 14MM. Shipping Weight 3 lbs.

Single Type 18MM Item No. 71-039-2 **\$49.50**

Single Type 14MM Item No. 71-040-0 **\$49.50**

Dual Type - 18MM Item No. 71-041-8 **\$49.50**

Dual Type - 14MM Item No. 71-042-6 **\$49.50**



Transfer switch allows one gage to read cylinder head temperature at 2 different locations. For use with gages having Iron-Constantan Thermocouple Leads (black and yellow color coated leads). Shipping Wt. 1 lb. Item No. 71-548-2 **\$5.00**

## THERMOCOUPLE SWITCH



Lewis Engineering Company. Type 3756C2. Thermo couple switch. Transfers up to 4 different thermo couple gages at a time to each different location. (8 pole switching to each four different positions.) Fits standard 3 1/8" panel cut out. Shipping weight 1 lb. 8 oz. New, surplus. Item No. 12-701-9 **\$27.50**



# Aircraft Tachometers & Tach. Generators

## TACHOMETER



Pioneer type 2010-6A4-A5. Mechanical tachometer for use with flexible shaft. Standard 3 1/8" dial size, reads from 1,000 to 4,000 RPM. Shipping weight 2 lbs. Surplus. Item No. 12-833-0 **\$20.00**

## TACHOMETER



Autosyn Tachometer Indicator. Bendix-Pioneer #6007-28C-7-A, 28 volts A. C., 400 cycle. Left and right hands, 400 to 3,500 RPM, 3 1/8" dial. New, surplus. Shipping weight 2 lbs. Item No. 12-824-9 **\$20.00**

## ENGINE TACHOMETER



Complete electrical tachometer set consists of generator driven by engine take-off shaft or by other sources of rotation, & a dual speed electric indicator Mark II generator was mfg. by Record Electric Co., measures 4-1/4" long. Electric Indicator reads 1400 to 2800 rpm and has provision for use with second generator so 2 different speeds can be read at the same time. Gage measures 5" by 3-3/4" by 6" long, and has the luminous point dials. Complete kit as pictured. Shipping Weight 10 lbs. Item No. 71-213-3 **\$15.00**

## LIQUID QUANTITY GAGE KIT



This kit contains all brand new units designed for installation as an aircraft gasoline fuel contents indicator. It can easily be used to show contents of any tank. Operates on 12 or 24 volts. Included are two liquid level transmitters, one dual indicator and one voltage stabilizer. It comes complete with mounting screws, gaskets and the washers. Government costs \$160.00 complete. Shipping Weight 10 lb. Item No. 71-208-3 **\$7.50**

## AIRCRAFT SEXTANT



Fairchild Model A-10-A Aircraft Sextant. It is used to read the altitude above the horizon of a celestial body. This unit has a bubble type artificial horizon so the instrument can be used in aircraft. A separate battery container furnished power for internal lighting to permit the sextant to be used in taking sights at night. Shipping Weight 9 lb. Item No. 71-679-5 **\$35.00**

## TACHOMETER



Kollsman Tachometer, single engine type, with dual pointers. Lighted, type 378, 3 1/8" dial. New, surplus. Shipping weight 2 lb. 2 oz. Item No. 12-823-1 **\$20.00**

## TACHOMETER INDICATOR



Electric Tachometer Indicators are standard 3-1/8" size, read from 0 to 4500 rpm. For use with the electric tachometer generators shown. For twin engine aircraft AN5530-2. Shipping Weight 3 lbs. Item No. 71-866-3 **\$37.50**

## TACHOMETER



Electrical tachometer, Kollsman type 725, with internal lighting. 3 1/8" dial, small and large clock type hands. Surplus. Shipping weight 2 lbs. Item No. 12-842-1 **\$17.50**

## TACHOMETER



Kollsman Model 218-011, flexible shaft speed same as engine speed, dial reads 500 to 2500 rpm. Shipping Wt. 2 lbs. Item No. 71-634-0 **\$20.00**

Pioneer Model 2010-3A3-A3, flexible shaft speed same as engine speed, dial reads 500 to 3500 rpm. Shipping Wt. 2 lbs. Item No. 71-635-7 **\$20.00**

## TACHOMETER



Electric tachometer indicator. General Electric 8DJ19AAS-3, type E-18. Reads engine speed from 0 to 4,000 RPM, rotor speed from 0 to 300 RPM. Standard 3 1/8" dial. New, surplus. Shipping weight 2 lb. Item No. 12-826-4 **\$35.00**

## RECORDING TACHOMETER



Engine Time Recording Tachometers show both the engine revolutions per minute and also the total hours running time. FAA approves of this automatic engine time recording log instead of using a log book. Reads from 0 to 2500 RPM and as little as 1/10th of an hour. Gage fits all standard 3-1/8" instrument panel holes. Always give make and model of aircraft and engine when ordering so we can send the correct model for your airplane. All AC Tachometer Meter Models (Types RT). **\$20.00**

## TACHOMETER



Electric tachometer type E9A, General Electric 8DJ13AA3, 3 1/8" dial. New, surplus. Shipping weight 1 lb. 6 oz. Item No. 12-827-2 **\$35.00**

## TACHOMETER CABLES

25" Swift Item No. 11-569-1  
30" Luscombe 8E, J3, Champ & Chief, 8C12E, Cessna 170. Item No. 11-570-9  
33" PA 12-18-20-22, Cessna 120-140, Meyers. Item No. 11-571-7  
36" PA24, Stinson, Mooney, Item No. 11-572-5  
38" Aerona Sedan, Bonanza, Ercoupe. Item No. 11-573-3  
43" Navion - Item No. 11-574-1  
50" Funk - Item No. 11-575-8  
54" Bellanca - Item No. 11-576-6  
60" Popular Size - Item No. 11-577-4  
Any of the above ..... **\$6.85**

## TACHOMETER DRIVE RIGHT ANGLE ASSEMBLY



Tachometer Drive Right Angle Assembly changes speed, with 2.0:1 ratio, fits all standard tachometer drive assemblies. Type V. Spec. 27341, Mfrs. No. 7800-5 Brand new. Shipping Weight 2 lbs. Item No. 11-021-3 **\$7.50**

Tachometer Drive Right Angle Assembly 2.4:1 ratio. Mfrs. No. 7800-3. Brand new. Shipping Wt. 2 lbs. Item No. 71-281-0 **\$7.50**

Tachometer Drive Right Angle Assembly 3.0:1 ratio. Mfrs. No. 7800-3. Brand new. Shipping Wt. 2 lbs. Item No. 11-264-9 **\$7.50**

## TACHOMETER GENERATORS



Aircraft Tachometer Generator for use with electric indicators. Available in several models. Type AN5531-1 with 4 hole square flange. Shipping Wt. 4 lbs. Item No. 71-091-3 **\$22.50**



General Electric Type CM-5 with solid screw mount nut. Shipping Weight 4 lbs. Item No. 11-262-3 **\$22.50**



Solid screw mount nut with attaching bracket. Shipping Weight 4 lbs. Item No. 71-328-9 **\$22.50**

## OXYGEN PRESSURE WARNING SWITCH

Oxygen Pressure Warning Switch, type G-2. G.E. No. 870P3. Measures 2" x 2". Shipping Weight 1-1/2 lbs. Item No. 71-282-8 **\$7.50**

## GRAIN-OF-WHEAT BULBS



Grain-of-Wheat Type 323R, red bulbs for instruments. Shipping Weight 2 lbs. Item No. 11-728-3 Box of 10 **\$5.00**

## ACCELEROMETER



The "G" Meter or Accelerometer is used to measure the amount of stress imposed upon the aircraft. It reads in terms of normal gravity forces or "G" units from -18 to plus 18 "G" units. Manufactured by Kollsman Instrument Co., Part No. 100213. Mounts in the standard 3-1/8" instrument panel hole. Shipping Weight 2 lbs. Item No. 71-006-1 **\$17.50**

## ARTIFICIAL HORIZON



Model AN 5736-1 Artificial Horizon is used for all instrument flying. Complete with air filter, luminous markings, horizon setting knob. Fits 3-3/4" panel hole, 7" long. Certified Airworthy by FAA Approved Instrument Repair Station. Shipping Wt. 7 lbs. Item No. 71-011-1 **\$57.50**

## ARTIFICIAL HORIZON



Model AN5736-1A Artificial Horizon with strut rotor mechanism. This is the later model of the Sperry Horizon. Each unit is carefully remanufactured, overhauled, test run and certified and comes complete with current Airworthiness Certificate by FAA Approved Instrument Repair Station. Shipping Wt. 5 lbs. Item No. 71-678-7 **\$100.00**

## NEW TYPE ARTIFICIAL HORIZON



**You Save \$53.20**

R.C. Allen Model RCA-20 Horizon Indicator. Non-tumbling horizon indicator will not spill in extreme maneuvers. The bank index moves over bank scale in the same direction as the roll of the aircraft. Has a bank indication range of 360° and pitch indication range plus 90°. Controlled precession provides 360° freedom in pitch gimbal. Fits standard 3-1/8" panel cut-out. Central filter for maximum efficiency and life. Easily replaceable. Approved per FAA TSO C4c. Vacuum operated, new production. Shipping Wt. 2 lbs. Item No. 71-695-1 List Price: \$250.00 Net Price - **\$196.80**

External Air Filter required for above instrument. Shipping Weight 2 lbs. Item No. 11-292-0..... **\$12.00**

## OSCILLOSCOPE INDICATOR



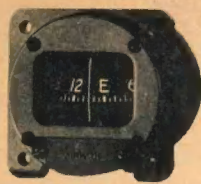
**You Save \$80.00**

Oscilloscope Indicator. Sperry Gyroscope Co. Part No. 682081 Oscilloscope Indicator for aircraft checking. Unit fits 3-3/4" opening and measures 12" long. New Surplus. Shipping Weight 4-1/2 lbs. Item No. 71-672-0 **\$20.00**



# Aircraft Compasses & Pressure Gages

## MAGNETIC COMPASSES



71-103-6



71-260-4

**SAVE!**

### Original Equipment Light Plane and Executive Aircraft Models

Airpath Model C-2300 is the compass used in almost all of the light aircraft instrument panels with 2-1/4" holes. Dial is white with black background, built-in compensator magnets. Fits Cessna, Piper, etc. New Production. Shipping Weight 1-1/2 lbs. Item No. 71-103-6..... **\$17 50**

Airpath Model C-2400-LP is similar to the compass described above except it mounts on top of the dash and also has a built-in light. Can be used in Beech, Navion, etc. Brand New. Shipping Weight 2 lbs. Item No. 71-260-4..... **\$24 00**

## COMPASSES



Model B-16 fits the standard 3-1/8" panel hole, completely remanufactured with new dial, airworthiness certificate, 90 day guarantee. Shipping Weight 2 lbs. Item No. 71-087-1 **\$30 00**

## RADIO COMPASS INDICATOR



Radio Compass Indicator. Air Force Trainer Type C-3. Standard 3-1/8" hole size with two terminal connections on back of instrument. Black background with luminous marking. Surplus. Shipping Weight 2 lbs. Item No. 71-617-5 **\$15 00**

## FLUX GATE COMPASS



Gyro Flux Gate Compass Master Indicator, Part No. AN5752-1 gives visual indication of direction even in rough air. Dials are luminous and pointer reads from 0 to 360°. The dial is 4" in diameter and has a control knob. This instrument is the indicator portion used on airline and military aircraft. Contains 1 selsyn motor which can be removed and used for experimental purposes. Government cost - \$350.00. Shipping Weight 8 lbs. Item No. 71-211-7 **\$25 00**

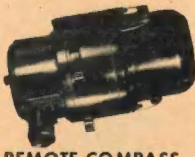
## GYRO MAGNETIC COMPASS INDICATOR



Gyro Magnetic Compass Indicator. Type V-7A large dial fits 4-7/8" opening, measures 5-1/4" x 5-1/4" x 4". Manufactured by Kearfoot Co. Part No. 15700, Spec. MIL-1-5126A. New Surplus. Shipping Weight 3 lbs. Item No. 71-669-6 **\$75 00**

## AIRCRAFT COMPASS

Kollsman Model 588L Aircraft Compass with built-in light. Fits the standard 3-1/8" instrument panel opening. Features curved front glass with large cord and marker line 3-1/4" diameter and 4-1/2" long. Can be used in car or boat. Has built-in compensator. Completely remanufactured with new dial, airworthiness certificate, 90 day warranty, FAA Approved. Shipping Weight 2-1/2 lbs. Item No. 71-646-4 **\$30 00**



## REMOTE COMPASS TRANSMITTER

Remote Compass Waterproof Magnesium Transmitter. Designed for Marine and other exposed applications. Electrically identical to standard transmitter. Eclipse - Pioneer Mark I, MFR'S. Part No. 10091-1-A. Brand New Surplus. Item No. 13-058-3 **\$35 00**

## TRANSISTORIZED INVERTER FOR REMOTE INDICATING COMPASS



A power supply for the indicator type synchro (autodyn, selsyn, etc.) and the remote indicating compass. It is designed primarily as a replacement for the small (6 V.A.) rotary inverter. There are no moving parts in this static inverter (no brushes, no rotor, no bearings).

Model 412A - Input: 12 Volts, D.C. Output: 26 Volts, A.C., 400 cycles, Single Phase, 6 V.A. Shipping Weight 1-1/2 lbs. Item No. 11-770-5 **\$39 95**

Model 424 - Input: 24 Volts, D.C. Output: 26 Volts, A.C., 400 cycles, Single Phase, 6 V.A. Shipping Wt. 1-1/2 lbs. Item No. 11-771-3 **\$39 95**



## FLUX GATE COMPASS

Gyro flux gage compass caging device, remote control, electrical, Bendix no. CM-2, AN5754-1, 28 volts. Shipping weight 3 lbs. Surplus. Item No. 12-844-7 **\$15 00**



## PRESSURE GAGE

Stewart-Warner aircraft heater pressure gage. Reads 0-80 lbs. per square inch. Fits 2" panel hole. Part No. 444008L4. Shipping Weight 1-1/2 lbs. Item No. 71-258-8 **\$5 00**

## ELECTRIC COMPASS



Designed for cross country flying, the Remote Indicating Compass is the finest compass you can buy. It is more stable and does not oscillate as readily in rough air as the regular aircraft compass will often do. In addition, it does not drift as the gyro compass does. The Remote Indicating Compass was originally designed for the Air Force (and is still standard equipment). Released as surplus, these units are brand new, completely checked and Certified Airworthy by FAA Approved Instrument Repair Station.

The indicator instrument fits all standard 3-1/8" panel holes, and the whole kit is readily installed. Our complete instructions make it easy. Everything needed is included. Over 2000 installations in use.

Model for all 12 volt aircraft. Shipping Weight 10 lbs. Item No. 71-007-9 **\$89 50**

Model for all 24 volt aircraft. Shipping Weight 10 lbs. Item No. 71-008-7 **\$79 50**

## SPARE PARTS

Remote Compass Indicator. Shipping Weight 1-1/2 lbs. Item No. 71-344-6..... **\$32 50**

Remote Compass Transmitter. Shipping Weight 4 lbs. Item No. 71-345-3..... **\$32 50**

12 Volt Inverter for Remote Compass. Shipping Wt. 3 lb. Item No. 71-101-0..... **\$32 50**

24 Volt Inverter for Remote Compass. Shipping Wt. 3 lb. Item No. 71-102-8..... **\$32 50**

Noise Filter and Base for Inverters. Shipping Wt. 1-1/2 lbs. Item No. 71-195-2... **\$3 50**



## GYRO FLUX GATE COMPASS TRANSMITTER

Gyro Flux Gate Compass Transmitter. AN 5751-1, F.S.C. No. 88-T-1900. This is a part of the gyro flux gate compass system. The transmitter contains the gyroscopically stabilized flux gate, which is sensitive to the earth's magnetic field. It transmits the signal by autodyn motor to a remotely located master indicator. 5" long x 8-3/8" diameter. Surplus. Shipping Weight 8-1/2 lbs. Item No. 71-575-5 **\$25 00**

## FUEL PRESSURE, OIL PRESSURE & OIL TEMPERATURE GAGE



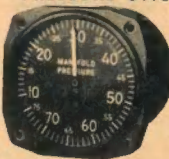
This 3-in-1 gage reads 0-25 lbs. fuel pressure; 0-200 lbs. oil pressure; and 0-120°C. oil temperature. The fuel and oil portions have 1/8" pipe thread connections on rear of gage. The temperature portion is electrical and operated from 24V. DC. 3-1/8" diameter. Manufactured by Edison, Part No. PE109-B1038. Surplus. Item No. 12-772-0 **\$25 00**



## MANIFOLD PRESSURE GAGE

Aircraft Manifold Pressure Gage reads from -4 to 16 P.S.I. The standard 3-1/8" dial has a black face with orange-brown fluorescent numerals and pointer. It connects to intake manifold of engine. Comes complete with mounting screws. Mfg'd by CAI, Part No. BG41. A very low price for this instrument. Shipping Weight 2-1/2 lbs. Item No. 71-189-5 **\$2 50**

## MANIFOLD PRESSURE GAGE



Manifold Pressure Gage connects to intake manifold, indicates economical and correct engine operation. Reads in inches of mercury pressure. Standard 3-1/8" panel size. Shipping Weight 2 lbs. 10" to 50" range Item No. 71-070-7 **\$17 50**  
10" to 100" range Item No. 71-587-0 **\$17 50**

## DUAL OIL PRESSURE GAGE



Dual Oil Pressure Gage, Model No. AN 5772-2. Fits all standard 3-1/8" instrument panel openings. Reads 0-200 lbs. per sq. inch with needles marked "L" and "R". Back of gage has 2-1/8" female pipe thread connections. New, surplus in original cartons. Shipping Wt. 2 lbs. Item No. 71-664-7 **\$15 00**

## BRAKE MEAN EFFECTIVE PRESSURE INDICATOR



Brake Mean Effective Pressure Indicator. Dual Autodyn Style, standard 3-1/8" dial, white markings, white hands on black background. Measures 3-1/4" x 3-1/4" x 6". Bendix No. 6300-A508-20A4, 26 volts, 400 cycles, 320° scale, range 60-325 P.S.I. Surplus. Shipping Weight 2-1/2 lbs. Item No. 71-670-4 **\$50 00**  
Brake Mean Active Pressure Gage. Direct reading type. Manning, Maxwell & Moore, Inc. No. 6764-255-2. Dual type fits 3-1/8" panel hole. Reads 60 to 240 lbs. per square inch pressure. Shipping Weight 2 lbs. Item No. 11-280-5 **\$25 00**

## MANIFOLD PRESSURE



Manifold pressure gage, type BG5F, 3 1/8" dial, reads -4 to 20 lbs. per square inch.

Can also be used for measuring any pressure within this range. New, surplus. Shipping weight 2 lbs. Item No. 12-837-1 **\$15 00**

## ELECTRIC MANIFOLD PRESSURE GAGE



Electric Manifold Pressure Gage, Autodyn type, indicates 10 to 60" manifold pressure from remote electrical transmitter. Bendix-Pioneer Model 6007 series, type DBA hands marked "L" and "R". Fits standard 3-1/8" instrument panel hole. Shipping Weight 3 lbs. Item No. 71-659-7 **\$25 00**

## MANIFOLD PRESSURE GAGE



Manifold Pressure Gage calibrated in lbs. per square inch. Pressure reads from -4 to +30 lbs. Can also be used as suction or pressure gage and other purposes. Fits standard 3-1/8" instrument panel hole. Part No. 6AA-1290, Type BG6F. Shipping Weight 2-1/2 lbs. Item No. 71-662-1 **\$10 00**



# Aircraft Pressure Gages

## FUEL PRESSURE GAGE



Fuel Pressure Gage reads 0 to 30 lbs. per square inch. Standard 2-1/4" instrument panel hole. 1/8" female pipe thread fitting on rear of instrument. White dial markings on black background. Manufactured by U.S. Gage Company. Surplus. Shipping Weight 1-1/2 lbs. Item No. 71-699-3 **\$12 50**



Fuel Pressure Gage fits standard 2-1/4" instrument panel hole, reads 0 to 10 lbs. per square inch pressure. Connects to standard copper tubing with ball type fitting. Surplus, good condition. Shipping Weight 1-1/2 lbs. Item No. 71-601-9 **\$10 00**

## MINIATURE PRESSURE GAGE



Miniature Pressure Gage reads up to 500 lbs. per sq. inch. Has 1/8" male pipe thread connection on back of case. Measures only 1-5/8" in diameter, used for oxygen tank pressure, etc. New surplus. Shipping Weight 1-1/2 lbs. Item No. 11-025-4 **\$5 00**

## OIL PRESSURE GAGE



Aircraft type oil pressure gage with long capillary tube for remote readings. Reads from 0 to 150 lbs. per square inch pressure x 2-1/2". Phenolic case, brass connection. Surplus. Shipping Wt. 2-1/2 lbs. Item No. 71-565-4 **\$2 50**

## FUEL PRESSURE GAGE



Aircraft type fuel pressure gage. Reads 0-5 lbs. per square inch. Rectangular shape front measures 1-1/4" x 2-1/2". Mfg. Part No. VIIIA, 6A/520. Shipping Weight 2 lbs. Item No. 11-870-3 **\$5 00**

## OIL PRESSURE INDICATOR



Autosyn Oil Pressure Indicator, Bendix-Pioneer, 6007-4H-27-B, 24 volts A.C., 400 cycle. 3 1/8" dial, dual type with hands marked "1" and "2". Reading from 0 to 200. New, surplus. Shipping weight 2 lb. Item No. 12-822-3 **\$20 00**

Autosyn oil pressure gage, Bendix type 6007-4H-27-A. New, surplus. Item No. 12-839-7 **\$20 00**

## MANIFOLD PRESSURE GAGE



Electric manifold pressure gage, G. E. type. Reads 20 to 60" mercury. Surplus. Shipping weight 2 lbs. Item No. 12-834-8 **\$15 00**

## MANIFOLD PRESSURE



Electric Manifold Pressure Gage, G. E. Model 8DJ1-MWL. Operates on 12 volts DC. Reads both -5 to 15 lbs per square inch, and 20 to 60 in. of mercury. Surplus. Shipping Weight 2 lbs. Item No. 11-869-5 **\$15 00**

## OIL PRESSURE REGULATOR



Automatic pilot oil pressure regulator, General Electric type 8292141-G1. Navy stock no. 88-R-255. May be used for any oil pressure regulating function. Surplus. Shipping weight 2 lbs. Item No. 12-848-8 **\$10 00**

## BENDIX FUEL PRESSURE TRANSMITTER



Bendix fuel pressure transmitter, type C-14A, 26 volts A.C., 400 cycle, part no. 4050-4-84. Autosyn type. Range 0 to 25 lbs. Surplus. Shipping weight 1 lb. Item No. 12-832-2 **\$15 00**

## LOW PRESSURE GAGE



Gage reads 10 lbs. per square inch. Has 2-1/4" dial with luminous markings, copper tube connection. Shipping Weight 1 lb. Item No. 71-239-8 **\$5 00**



Also available with 0-20 reading. Shipping Wt. 1 lb. Item No. 71-655-5 **\$5 00**

## HORSEPOWER INDICATOR



Break mean effective pressure gage determines engine H.P. by measuring force of torque. Indicator type 1, range 50-250 P.S.I., 26 volts A.C. Used with transmitter R88-T-2225. Kollsman Part No. 647K-02, 88-1-1400. Surplus. Shipping Weight 4 lbs. Item No. 71-619-1 **\$20 00**

## MANIFOLD PRESSURE TRANSMITTER



Transmitter unit for electric manifold pressure gage has 1/8" pipe thread fitting on one end and electrical connector on other end. Bendix-Pioneer series 4250, type D-8A, 28 Volt A.C., 400 cycle. Buy two units if above unit is to be used for dual engine installation. Shipping Wt. 2 lb. Item No. 71-660-5 **\$20 00**

## PRESSURE TRANSMITTER



General Electric model 8TJ1-1MAA, 24 V. D.C. Approximately 2" diameter by 5" long. Shipping weight 2 lbs. Surplus. Item No. 12-840-5 **\$10 00**

## OIL PRESSURE TRANSMITTER



Autosyn oil pressure transmitter type B9A, 28 volts A.C., 400 cycle. Eclipse type 4150-3-83, range 0 to 200 lbs. pressure. 2 1/4" diameter, 4 1/2" long, shipping weight 2 lbs. New, surplus. Item No. 12-841-3 **\$15 00**

## ENGINE GAGE UNITS



This space saving gage combines oil pressure, oil temperature and fuel pressure all in one standard 3-1/8" instrument. Widely used as original equipment in larger aircraft this gage is now being installed in many single engine and light twin aircraft as a "space saver". Non-electric, completely self-contained, the gage can be purchased in any one of several lengths of capillary tube. Style AN 5521 reads 10 lbs. fuel pressure; 200 lbs. oil pressure, 0-100 deg. Cent. oil temperature.

Length	Item No.
5 ft.	71-533-4
8 ft.	71-623-3
12-1/2 ft.	71-624-1
15 ft.	71-711-6
22 ft.	71-712-4
25 ft.	71-264-6
28 ft.	71-537-5
Each of the above	<b>\$15 00</b>



Style AN5574 (type B-7) reads 25 lbs. fuel pressure; 200 lbs. oil pressure, 0-100 deg. Centigrade oil temperature.

Length	Item No.
4-1/2 ft.	71-625-8
8 ft.	71-626-6
9 ft.	71-627-4
12-1/2 ft.	71-538-3
15 ft.	71-539-1
28 ft.	71-302-4
Each of the above	<b>\$15 00</b>

## HYDRAULIC PRESSURE GAGES



Pressure Gage is used for hydraulic or air pressure. Dial reads 0-2000 lbs. per square inch pressure. Easily read 2-1/2" face has fluorescent dial marking and pointer. This Model Mark VIII has mounting holes and brass connections at rear. Shipping Wt. 1 lb. Item No. 71-193-7 **\$5 00**



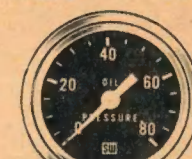
Landing Gear Gage with a pressure of 0-2000 lbs. per square inch. Luminous dial. Threaded connection on back is 1/8". Order Number AW 7/8-17-H. Shipping Weight 1 lb. Item No. 71-246-3 **\$5 00**

## PRESSURE GAGES



Fuel Pressure Gage, 0-30" by Stewart Warner. Fits 2-1/16" dial hole. Black dial with chrome ring. Brand New. Model No. 360-AE. Shipping Weight 1 lb. Item No. 11-007-2 **\$12 25**

Manifold Pressure Gage, 0-30 lbs. Stewart Warner. Fits 2-1/16" dial hole. Black dial with chrome ring. Brand New. Model No. 360-CZ. Shipping Weight 1 lb. Item No. 11-009-8 **\$11 75**

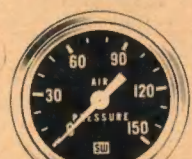


Oil Pressure Gage, 0-80 lb. Stewart Warner. Fits 2-1/16" dial hole. Black dial with chrome ring. Brand New. Model No. 360-AD. Shipping Wt. 1 lb. Item No. 11-020-5 **\$10 95**



Oil Pressure Gage 0-100 lb. Stewart Warner. Fits 2-1/16" dial hole. Black dial with chrome ring. Brand New. Model No. 360-A. Shipping Weight 1 lb. Item No. 11-010-6 **\$10 75**

Oil Pressure Gage 0-200 lb. Stewart Warner. Fits 2-1/16" dial hole. Black dial with chrome ring. Brand New. Model No. 360-C. Shipping Weight 1 lb. Item No. 11-012-2 **\$12 95**



Air Pressure Gage, 0-150 lb. Stewart Warner. Fits 2-1/16" dial hole. Black dial with chrome ring. Brand New. Model No. 360-C. Shipping Weight 1 lb. Item No. 11-011-4 **\$12 00**

## PRESSURE SWITCH



Pressure operated micro switch. Single pole, double throw. Approximately 2 1/2" diameter, 2" high. New, surplus. Shipping weight 1 lb. Item No. 12-845-4 **\$7 50**

## MEDIUM PRESSURE GAGES



Aircraft Remote Synchro Pressure Indicator reads 0-5 lbs. square inch. Fits 2-1/4" aircraft panel hole. Pioneer Part No. 6400-C281-A5, 400 cycle, 26 volt, single phase. New. Shipping Wt. 1 lb. Item No. 71-652-2 **\$12 50**



Pressure Gage reads 220 lbs. per square inch. Has a 2-1/2" dial with a copper tube connection. Shipping Wt. 1 lb. Item No. 71-250-5 **\$5 00**



Gage reads 0-300 lbs. pressure per square inch. 2-1/4" dial. Has a copper tube connection. Shipping Wt. 1 lb. Item No. 71-249-7 **\$5 00**



3-in-1 Gage has 3 pointers that read 0-130 lb., 0-130 lb., 0-120, and 0-220 lbs. 3 inch dial with three rear connections. Shipping Wt. 1-1/2 lb. Item No. 71-245-5 **\$3 00**

Also, with scales reading 0-120, 0-120, and 0-220 lbs. Shipping Weight 1-1/2 lbs. Item No. 71-244-8 **\$3 00**



Pressure Gage reads 500 lbs. per square inch. 2-1/4" luminous dial. Has a 1/8" pipe thread connection. Type AN 6021-1 A. Shipping Wt. 2 lbs. Item No. 71-238-0 **\$5 00**



# Rate of Climb, Airspeed

## RATE OF CLIMB INDICATOR

**SALE!**



### You Save \$23.00

The Rate of Climb Indicator measures the rate of change of altitude of an aircraft and is also used as an aid to maintain level flight. This instrument has an expanded scale at the zero end of the dial. Instrument markings are in the new Matte white finish on a dull black background.

The zero adjusting screw is in the lower left-hand corner of the instrument case. This instrument is of the new manufacture, not surplus. Made in accordance with military specification MIL-1-5098 for use at altitudes from sea level to 30,000 feet. Fits standard 3-1/8" panel hole, 4-3/32" deep. Shipping Wt. 2 lb.

0-2,000 feet per minute range. Model No. AC-135 Item No. 11-896-8 **\$6500**

0-4,000 feet per minute range. Model No. AC-132 Item No. 11-897-6 **\$6500**

0-6,000 feet per minute range. Model No. AC-133 Item No. 11-898-4 **\$6500**

## KOLLSMAN RATE OF CLIMB



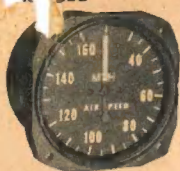
For precision instrument flight, we suggest the Kollsman Model 614K-023. This instrument is Altitude and Temperature Compensated and Thermally Insulated. Self-contained, the instrument connects to the static side of the pitot tubes. The expanded scale has the most spread near the zero reading for greatest precision. Yellow markings on black dial, standard 3-1/8" face, 6-1/4" long. Range 0-2000 feet per minute with 100 foot increment markings. Remanufactured and Certified Airworthy by FAA Approved Instrument Shop. Shipping Weight 2-1/2 lbs. Item 71-632-4 **\$10000**

## PITOT STATIC SELECTOR FOR AIRSPEED



For added safety, always use an alternate source of static pressure for your airspeed, altimeter and rate of climb. AN5631-1 Static Pressure Valve mounts on or near the instrument panel. Kohler 1101. Shipping Weight 1 lb. Item No. 71-157-2 **\$500**

## AIR SPEED



Air Speed Indicators are available in several ranges of speed for use with different aircraft. It is suggested that you use an air speed that has a maximum range about twice your normal airspeed. Dials are luminous, units are standard 3-1/8" dial size. Certified Airworthy by FAA Approved Instrument Repair Station. With standard 90 day free replacement. Shipping Weight 1-1/2 lbs.

MPH or KNOTS	ITEM NO.
160 mph	71-310-7
200 mph	71-311-5
250 mph	71-312-3
300 mph	71-313-1
350 mph	71-314-9
400 mph	71-315-6
500 mph	71-316-4
160 knots	71-317-2
250 knots	71-318-0
350 knots	71-319-8

Any of the above Certified Airworthy Air Speed Gages.... **\$3500**

## TRUE AIRSPEED



Indicates true airspeed at any altitude or air temperature

Kollsman Model 724BK-04 true airspeed indicates correctly for any altitude or air temperature. Reads from 80 to 430 knots. Standard instrument fits all 3-1/8" instrument panel holes. Unit has standard pitot tube connections and on 8 foot capillary temperature sensing tube.

New Air Force Surplus. Shipping Weight 4 lbs. Item No. 71-697-7 **\$15000**

## AIRSPEED

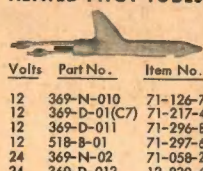


New style air speed indicator with dial showing both miles per hour and knots. Dial markings are bright fluorescent painted on black background for easy visibility under poor light conditions. These instruments are newly remanufactured by FAA Approved Instrument Repair Station and Certified Airworthy and in addition have our 90 day free replacement guarantee. Fits the standard 3-1/8" panel opening. Shipping Wt. 2 lbs.

0-200 miles per hour and 0-175 knots. Item No. 71-552-4 **\$3500**

0-300 miles per hour and 0-260 knots. Item No. 71-553-2 **\$3500**

## HEATED PITOT TUBES



Volts	Part No.	Item No.
12	369-N-010	71-126-7
12	369-D-011(C7)	71-217-4
12	369-D-011	71-296-8
12	518-B-01	71-297-6
24	369-N-02	71-058-2
24	369-D-012	12-830-6
	AN5816-2	

12	VIIIA	71-105-1
24	MK-VIIIB	71-060-8
24	MK-VIIIC	71-080-6

12	PST-300-6 (88T2988)	71-546-6
24	PST-300-2 (88T3000)	71-075-6
24	1079-S904J	71-106-9

Each ..... **\$500**

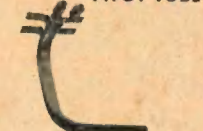
## PITOT TUBES STANDARD

Kollsman 376, 3 feet long, unheated. Shipping Weight 2 lbs. Item No. 71-064-0 **\$500**

## UNHEATED PITOT TUBE

Aircraft Unheated Pitot Tube. Aero Instrument Co. Type 88-T-2950. Approx. 12" long and 1" thick. Shipping Wt. 2 lbs. Item No. 12-281-2 **\$500**

## UNHEATED PITOT TUBE



Unheated Pitot Tube, AN5815-1, Kollsman 14-B. Fits many light aircraft. New. Shipping Weight 2 lbs. Item No. 71-866-1 **\$500**

## FUEL GAGE



Fuel gage, liquidometer type EA101-18, 24 volts D.C., 3 1/8" dial, reads empty to 400 gallons. Surplus. Item No. 12-829-8 **\$1500**

## FUEL QUANTITY GAGE



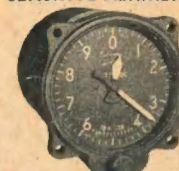
Fuel quantity gage, liquidometer indicator type EA101-1, 24 volts D.C. Standard 3 1/8" dial, surplus. Shipping weight 1 lb. 8 oz. Item No. 12-831-4 **\$1500**

## SENDER



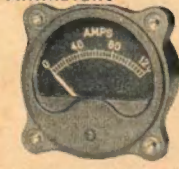
Pioneer Bendix units have 3 hands indicating 100's, 1,000's and 10,000's feet of elevation. Barometer dial is standard inches of mercury. Fits all the standard 3-1/8" panel holes. Certified Airworthy by FAA Approved Instrument Repair Station. With standard 90 day free replacement. Shipping Weight 2 lb. Item No. 12-472-7 **\$10000**

## SENSITIVE ALTIMETER



Kollsman Sensitive Altimeter operates upward to 35,000 feet. Dual pointer type with outer hand reading in increments of 20 feet of elevation. Standard 3-1/8" dial fits all aircraft instrument panels. Bright luminous marking on black background. Barometer setting dial reads in inches of mercury. Certified Airworthy by FAA Approved Instrument Repair Station. With standard 90 day free replacement. Shipping Weight 2 lbs. Item No. 71-343-8 **\$7500**

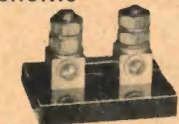
## AMMETERS



Amps.	Item No.
0-120	81-173-7
0-150	81-206-5
0-240	81-174-5
0-300	81-175-2

Any of the above..... **\$500**  
For new installations, order corresponding Shunts shown below

## SHUNTS



Amps.	Item No.
0-30	81-181-0
0-240	81-184-4
0-300	81-568-8

Any of the above **\$500**

The fuel mixture ins. shows the proportion of fuel line and air in the fuel mixture to the engine. It enables the pilot to set engines safely for maximum efficiency and economy. Easily installed, light weight perfect for private and executive aircraft. 6 piece set has gage, sampling tubes, and analysis cell Standard for all Twin Beech, Douglas, Cessna Lodestar, etc.

Kit Type D-1 for Twin Engine 12 volt aircraft. Shipping Weight 10 lbs. Item No. 71-113-5 **\$4750**

Kit Type D-1 for Twin Engine 24 volt aircraft. Shipping Weight 11 lbs. Item No. 71-114-3 **\$4750**

## LINK TRAINER FUEL GAGE



Fuel contents gage for use with Link Instrument trainer. Reads 0 to 50 gallons, contains electric timer. Kollsman Part No. 424-05-6050. Standard 3-1/4" size. Shipping Weight 1 lb. Item No. 71-661-3 **\$2500**

## FUEL PRESSURE WARNING



Type C-1 Fuel Pressure Warning signals are used to attract the pilot's attention when the fuel pressure falls below a determined point. An adjustable pressure switch operates a signal light in the cockpit. Air Assoc. Assembly No. 35D4127. Has two 1/8" pipe thread connections, measures 3" high, 2-1/2" across. Adjustable from 2 to 20 lbs., 12 or 24 volts, A.C. or D.C., Brand New. Shipping Weight 2 lbs. Item No. 71-599-5 **\$750**

## INSTRUMENT PANEL KIT



Aircraft Instrument Panel made of aluminum has 4 openings for standard 3-1/8" instruments such as Altimeter, Air Speed, Rate of Climb, Turn and Bank, Manifold Pressure, etc. One large opening for a directional gyro and special opening for an artificial horizon. Measures 10-5/8" x 14". Shipping Weight 4-1/2 lbs. Item No. 21-199-5 **\$500**

## New approval Cess

The Radio and R-10-T L temperature System is designed to provide response indicator air mixture and multi-engine powered aircraft. It is provided for in most Piper, Cessna, Mooney, Meyers, Champion, Stinson, Commander models, and EGT systems effect fuel economy, engine life. (Single) Indicator Weight 2 lbs. Item 71-687-8

Model R-10-T (Twin) Indicator. Shipping Wt. 3 lbs. Item No. 71-688-6 **\$3250**



AMMETERS  
Stewart Warner Ammeter for light aircraft. Round dial fits 2-1/16" dial hole. Black face dial with chrome ring. Available in several ranges. All of these Stewart Warner Ammeters have built-in shunts. Shipping Wt. 1 lb.

30-0-30 Model No. 359-L Item No. 11-003-1 **\$795**

60-0-60 Model No. 359-M Item No. 11-004-9 **\$895**

40-0-40 for alternator systems. Model No. 359-EN Item No. 11-005-6 **\$895**

60-0-60 for alternators systems. Model No. 359-CE Item No. 11-006-4 **\$895**



FUEL QUANTITY  
Liquidometer electric fuel quantity gage, EA35-1139-1. 2 1/4" dial, reads 0 to 10 fuel. New, surplus. Shipping weight 2 lbs. Item No. 12-843-9 **\$1250**



# Aircraft Parts

## FUEL PRESSURE GAGE



Fuel Pressure Gage reads 0 to 30 lbs. per square inch. Standard 2-1/4" instrument panel hole. 1/8" female pipe thread fitting on rear of instrument. White dial markings on black background. Manufactured by U.S. Gage Company, plus. Shipping Weight lbs. Item No. 71-699-3

## OIL PRESSURE INDICATOR



Gas Torch.....26  
Generators.....37, 40  
Gloves.....4  
Goggles.....17  
Ground Starters.....35  
Gunk.....27  
Gyras.....42

## LOW PRESSURE GAGE



Gage reads 10 lbs. around..26

Oil Filters.....36, 37  
Oscilloscope.....44  
Oxygen Equipment.....20

Radios.....10, 12, 13  
Rain Gauge.....9  
Records.....6  
Relays.....24  
Rescue Lights.....16  
Rheostats.....24  
Riveters.....29

Riveting Tools.....29  
Rivets.....29  
Rubber Boots.....15  
Rubber Hoses.....39  
Runway Lights.....33  
Runway Wire.....33

Safety Belts.....4  
Safety Wire.....39  
Shock Cords.....21  
Solenoid Valve.....38  
Spark Plugs.....25  
Stop Nuts.....26  
Stop Nut Strip.....26  
Strut Pumps.....21

Controls.....37  
Tie Down Kits.....18  
Timing Lights.....24  
Tire Jack.....18  
Tires.....21  
Tool Kits.....30  
Tow Bars.....18  
Turn & Banks.....42

Vacuum Regulators.....42  
Valve Lifters.....26  
Valves.....37, 38  
Venturis.....42  
Voltage Regulators.....24

Wall Plaques.....9  
Watches.....2  
Weather Instruments.....8, 9  
Wheel Chocks.....18  
Winches.....27  
Windshields.....40  
Windshield Wipers.....33  
Windsocks.....33  
Wind Tee.....33  
Wire.....26  
Wire Twisters.....26  
Wrenches.....30



AIRCRAFT COMPONENTS, INC.  
BENTON HARBOR, MICH. 49022, U.S.A.

ADDRESS CORRECTION REQUESTED

Attention:  
CHIEF PILOT

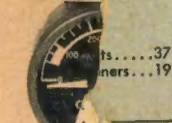
EARNHART, RUSSELL  
721 N LAURA  
LA HABRA, CALIF

90631



Fuel Pressure Gage reads 0 to 30 lbs. per square inch. Standard 2-1/4" instrument panel hole. 1/8" female pipe thread fitting on rear of instrument. White dial markings on black background. Manufactured by U.S. Gage Company, plus. Shipping Weight lbs. Item No. 71-699-3

MINIATURE FUEL PRESSURE GAGE



Miniature Fuel Pressure Gage reads 0 to 30 lbs. per square inch. Standard 2-1/4" instrument panel hole. 1/8" female pipe thread fitting on rear of instrument. White dial markings on black background. Manufactured by U.S. Gage Company, plus. Shipping Weight lbs. Item No. 71-699-3

## Summer Sale on Weather Instruments

### WEATHER-HAWK RECORDING BAROMETER

Records barometric pressure changes on 7-day chart, range 29-31 inches. Uni/Mag movement for maximum pen motion. (110 volt, 60 cycle.) For altitudes 0-10,000 feet. Boxed with 13 charts, ink and instructions. Shipping Weight 5 lbs. Item No. 71-559-9

RETAIL PRICE: \$69.50 OUR PRICE: \$49.50

Package of 52 charts (1 Year Supply). Shipping Weight 3 lbs. Item No. 71-560-7 \$5.00

### WEATHER-HAWK RECORDING THERMOMETER

Records outdoor temperatures on 7-day chart. (110 volt, 60 cycle.) Range minus 40° to +120° F. Eight feet capillary tubing. Black plastic base with clear cover.

13" x 7" x 7". Boxed, with 13 charts, ink and instructions. Shipping Weight 5-1/2 lbs. Item No. 71-286-9

RETAIL PRICE: \$69.50 OUR PRICE: \$49.50

Package of 52 charts (1 Year Supply). Shipping Weight 3 lbs. Item No. 71-287-7 \$5.00

### EXECUTIVE WEATHER STATION

Walnut finished base is embellished with rich silver and spun brass dials indicating barometric pressure, temperature and humidity. Lucite front with black center panel. 9" x 5" x 3-1/2". Model No. 6505. Shipping Weight 2 lbs. Item No. 12-222-6

RETAIL PRICE: \$22.50 SALE PRICE: \$16.50

### EARLY AMERICAN BAROMETER

Reproduced from colonial design of Ponderosa Pine in "Old Pine" finish. Styled by the well-known Three Mountaineers.

Authentic period barometer, thermometer and humidity dials with brass bezels. 26" x 8". Shipping Weight 5 lbs. Model No. 6407. Item No. 12-220-0

RETAIL PRICE: \$29.95 SALE PRICE: \$22.50

### CONTEMPORARY PENDANT BAROMETER

Warm natural cherry shadow box with melow brass finished instruments against a luxurious decorator green velvet background. Truly a fine piece of furniture to compliment sophisticated household furnishings. Handrubbed frame 26" x 7" x 11" x 2". Artistic barometer and humidity dials, thermometer scale in both Fahrenheit and Celsius (Centigrade). Boxed with instructions. Shipping Weight 7 lbs.

Model No. 6406-G. Item No. 12-219-2  
RETAIL PRICE: \$39.95 SALE PRICE: \$29.95

### MODULAR COMBINATION BAROMETER

A completely new concept in desk barometers, specifically designed for the sportman's desk or den. Rich walnut grain vinyl covered case with white bezels. Easy to read 3" spun silver dials for weather forecasting, temperature and humidity. Shipping Weight 2 lbs. Model No. 6506. Item No. 12-223-4

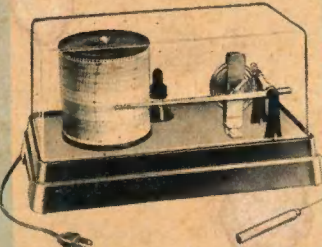
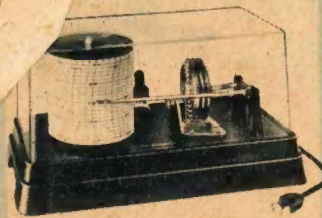
RETAIL PRICE: \$19.95 SALE PRICE: \$14.95



12-220-0



12-219-2



Litho in U.S.A.